

AMIGA FORMAT

ISSUE 33 ■ APRIL 1992 ■ £3.95

Righteous!
Complete £60 package

The **AMIGA** Collection
FORMAT

No.1 RRP £59

Vista



COMPLETE FULLY-USEABLE PROGRAM!
Create your own astonishing fractal landscapes, save them as IFF... so it's great for realistic scenes for graphics, but it's just amazing fun too!

1Mb needed • A 500 Plus Compatible • 1Mb needed

Down at the Arcade
AMIGA FORMAT

MYTH*
Get some bone-shaking action in the fully-playable demo of System 3's near-legendary monster mash!

Elementary Lemmings!*
A simple level solution for all puzzled puzzlers

Mouth-Man Duel*
Biplane
Three complete games bring you some real arcade action

Plus
Something really, really silly!

*These items need 1Mb of memory

1Mb and 512K • A 500 Plus Compatible



Get into motion!

Discover the tricks and techniques of animation and see your Amiga at its best

Not enough memory?

All you need to know about getting the best and cheapest upgrades

NO COVERDISKS?
THEN ASK FOR THEM FROM YOUR NEWSAGENT

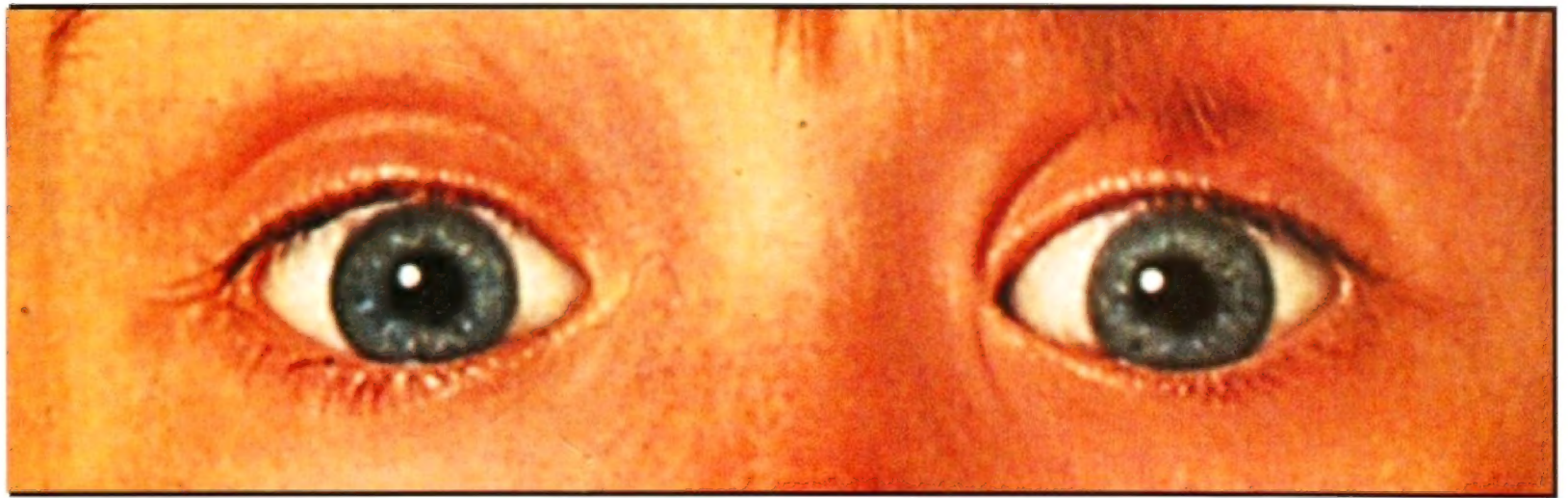
GAMES GALORE! Go for the end zone with *John Madden's American Football*, explore *Shadowlands* and pick a bargain from our budget basket...

Future
PUBLISHING
Your guarantee of value



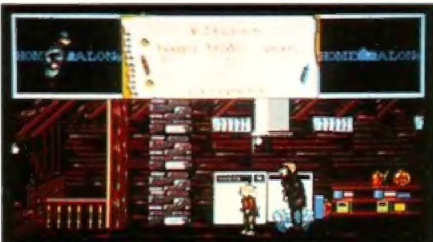
9 770957 486011

YOU BELIEVE



ACCOLADE PRESENTS... THE

Screenshots from various formats



**AN ABSOLUTELY ENORMOUS SUCCESS AT THE BOX
OFFICE-NOW SET TO BE JUST AS BIG ON COMPUTER.**

HOME ALONE™

Now you can play eight-year-old Kevin, trying to foil the
break-in of those two inept burglars, Harry and Marv.
Armed with imagination and a BB-Gun, you can create a
wealth of clever contraptions, but time is limited.
Will you be ready for the Wet Bandit Gang?.

Computer program © copyright 1991 Intracorp, Inc. All
rights reserved. Home Alone™ and © 1991 Twentieth
Century Fox Film Corporation. All Rights Reserved. All
other trademarks acknowledged.



Accolade Europe Ltd; Bowling House, Point Pleasant,

WON'T YOUR EYES



TEARAWAY, AND THE TEMPTRESS.



Screenshots from various formats

THEY DON'T COME MUCH BIGGER THAN ELVIRA
UNLESS IT'S ELVIRA II.

ELVIRA II: THE JAWS OF CERBERUS™

The incredible sequel to *Elvira: Mistress of the Dark™* -last years mega hit. Now five times bigger, you have to rescue the Dark Queen herself from the ghastly Cerberus, the 60 foot tall, three headed demon who holds her captive in the depths of a huge Hollywood film studio. Remember -there's nothing bigger than Elvira!.

Elvira image ©1991 Queen "B" Productions. Elvira and Mistress of the Dark are the trademark of Queen "B" Productions. The Jaws of Cerberus is a trademark of Accolade, Inc. All other trademarks and registered trademarks are properties of their respective owners.

ACCOLADE™
The best in entertainment software.

Wandsworth, London SW18 1PE. Tel: 081-877 0880.

AMIGA FORMAT 33
APRIL 1992

EDITORIAL DEPARTMENT

EDITOR Damien Noonan
SCREENPLAY EDITOR Neil Jackson
TECHNICAL EDITOR Pat McDonald
STAFF WRITER Maff Evans
PRODUCTION EDITOR Gary Lord
EDITORIAL ASSISTANT Clare Hodgson

ART DEPARTMENT

ART EDITOR Marcus Dyson
DESIGNER Frank Bartucca

ADVERTISING DEPARTMENT

GROUP AD MANAGER Jonathan Bint
DEPUTY AD MANAGER Duncan Ferguson
GAMES SALES MGR Simon Whitcombe
SENIOR SALES EXEC Tim Partridge

COOKIN' CREW

ADVERTISING PRODUCTION Nicola Lucas
PROMOTIONS MANAGER Michele Harris
PROMOTIONS ASST Tamara Ward
CIRCULATION MANAGER Sue Hartley
CIRCULATION ASST Kate Elston
PUBLISHER Greg Ingham
GROUP ADMIN ASST Katrina Windows

BOYZ IN THE BACKROOM

PRODUCTION TECHNICIANS
Simon Windsor, Chris Stocker,
Jerome Clough, Simon Chittenden
PHOTOGRAPHY
Ashton James (Bath), Ford-Robinson (Bristol)
ILLUSTRATION
Mike Roberts, Devizes, Wilts
COLOUR REPROGRAPHICS
Bath Graphics (Bath), DP Graphics (Holt),
Phoenix Reprographics (Bath)
PRINTED BY
Chase Web Ltd, St Ives PLC, Plymouth
NEWSTRADE DISTRIBUTION, UK
Future Publishing, 0225 442244
NEWSTRADE DISTRIBUTION, OVERSEAS
MMC Ltd 0483 211222

AMIGA FORMAT
30 Monmouth Street
Bath, AVON, BA1 2BW
Telephone 0225 442244
Facsimile 0225 446019

SUBSCRIPTIONS, BACK ISSUES
MAIL ORDER DEPARTMENT
The Old Barn, Somerton,
SOMERSET, TA11 7PY
Telephone 0458 74011
Facsimile 0225 446019



No part of this publication may be transmitted or reproduced in any form without the permission of the publishers. Isn't that mean!

Thought for the month:
How can Mickey Mouse be in California, Florida and Paris all at the same time?
We should be told.

Member of the Audit Bureau of Circulations.
Registered Circulation
ABC 130,143
July - Dec 1991

News 19

Hear all the rumblings and rumours of the Amiga industry, including the Robocop dongle scandal

Screenplay 47
Covering the whole games scene, every month...

Coming Attractions 48
Warning! This is not a practice: alien invaders are about to land on Earth in **Plan 9 From Outer Space...**

Under Construction 52
Are those Sensible people the hottest thing in new games?

The next big thing? 55
Will **Campaign** succeed in its bid for world domination?

Reviews 58-89

John Madden's Football	58
4D Sports Driving	61
Storm Master	64
Video Kid.....	67
Willy Beamish	70
Shadowlands.....	72
Leisure Suit Larry 5	78
Pinball Dreams	81
Return of Medusa.....	83
Harlequin	89

Reviews

Coming Contraptions 116	Find out what's new in 'serious' software and hardware
Take 2 120	Make the first steps in animation the easy way
Devpac 3 125	The Amiga's leading programming language gets better
HomeBase 128	If you need to catalogue a collection, this could help
Scala 500 132	A sophisticated new option for home video titling
Pixel 3D 2 137	Expect great things from this utility for sorting 3D pictures
SPECIAL! Latest CD releases 144	Reviews of all the new CDTV titles, plus some exciting developments in audio CD for Amiga CDTV owners

Regulars

PD Update 169	We pick the best from the world of free software
Workbench 209	Your problems solved, your questions answered
Letters 216	Find out what's making waves with Amiga owners
Mail Order 192	We pick out the best and offer it at bargain prices
Subscriptions 164	Make it easy on yourself: get your mag delivered!



IN NEWS

Why is the A690 CD-ROM drive for the Amiga not going to be called the A690? Why is the *Robocop* protection dongle not only a waste of time but also a waste of your money?

Cheap 'n' Cheerful! 92-3
Fishy underwater detective **James Pond** is the star of this month's delve into the game bargain basket

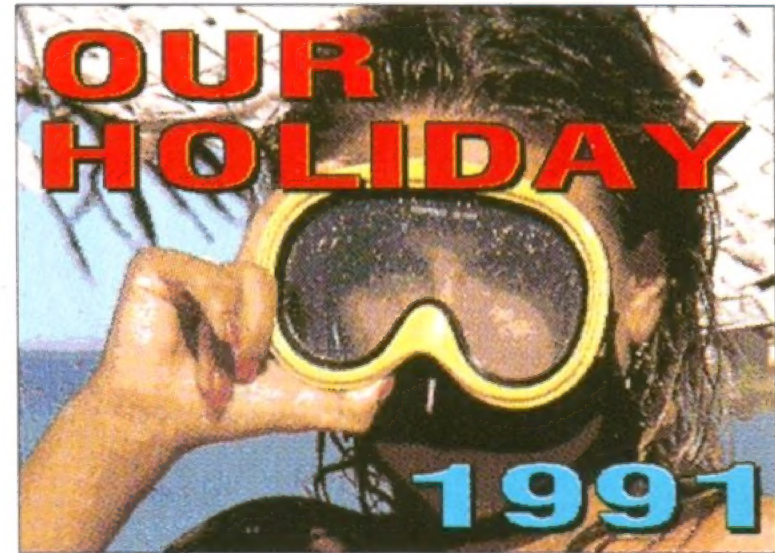
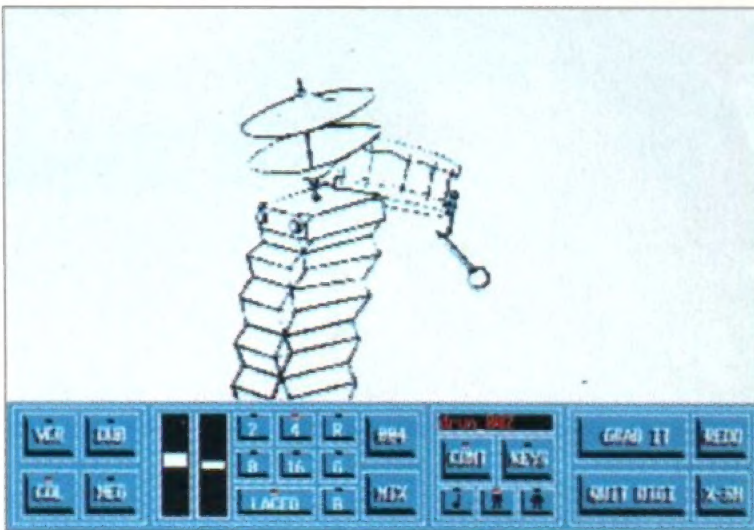
Charts and Magical History Score 95-6
Find out what game's top of the pops this month

Gamebusters 101-107
Featuring the definitive cheat sheet for **Populous 2**

Wayne Gretzky Hockey 2	86
WolfChild	85
PGA Tournament Courses	86
Mad Dog Williams	89
Crime City.....	89
Starbyte Super Soccer	85
Big Run	86
Great Napoleonic Battles.....	86
Borobodur.....	89
Hare Raising Havoc	85

REVIEWED: Take 2

Rombo's new animation package lets you create cartoons the way the professionals do: on paper!

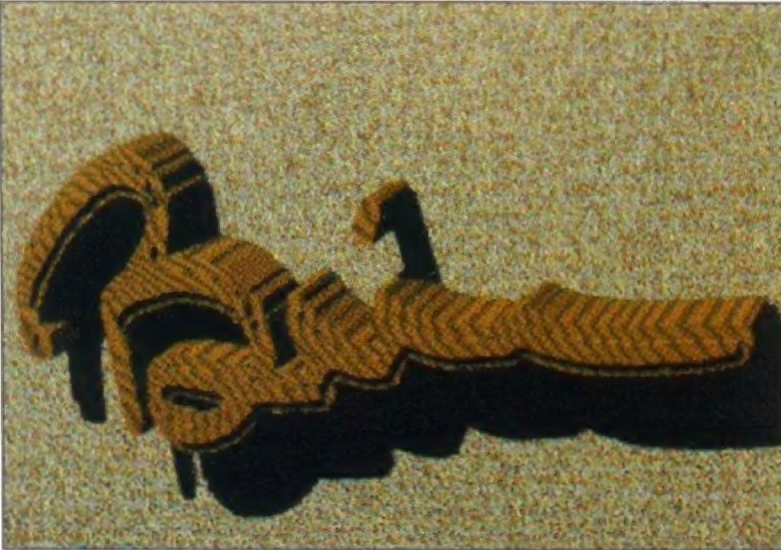


REVIEWED: Scala 500

The world's leading presentation package hits the Amiga 500 as a video titler: can it live up to the reputation of its illustrious big brother?

REVIEWED: Pixel 3D

Finally there's a program for converting flat pictures into 3D ones that does the job and does it well. Check it out!



IN PUBLIC DOMAIN

In keeping with the animation theme of the issue, we proudly present Eric Schwartz's latest cartoon classics.

Get into motion!

31

Making full use of the Amiga's graphics and sound capabilities, this is the ideal use for the best computer around. It's fun, it's funny, it's rewarding and it can be easy to get into.

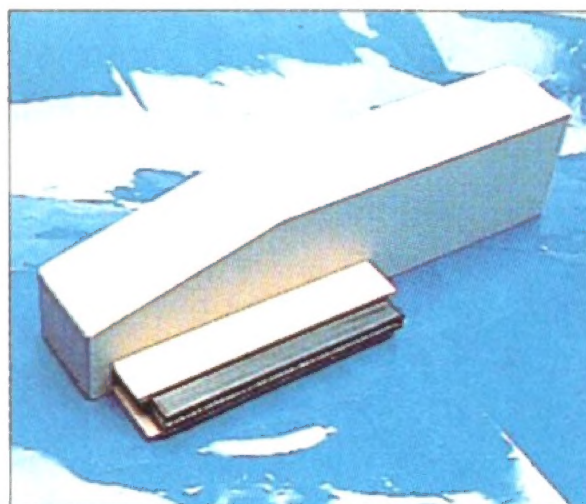
We fill you in on the theory behind cartoons and bring you an idea-packed guide to starting out in animation.

Animating with Graphics Workshop 140

With its moveable objects and its cell animation techniques, Graphics Workshop is possibly an even more powerful animation package than Deluxe Paint. We gave you the £70 program more or less free with Issue 30: now find out how to make the most of its animatic power.

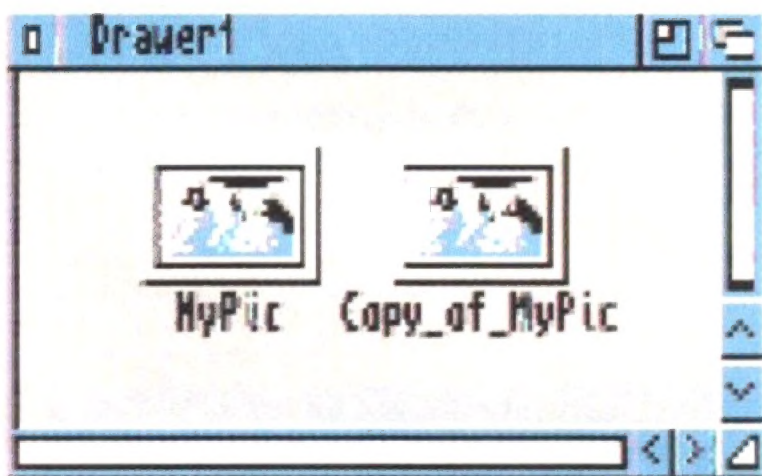
Not enough Memory? 154

Everybody's upgrading! Are you? As the Amiga grows and grows, it seems that 512K is no longer enough (and if you've only got 512K you won't be able to use the fabulous Coverdisk program Vista). So here's everything you need to know about getting more RAM without getting ripped off!

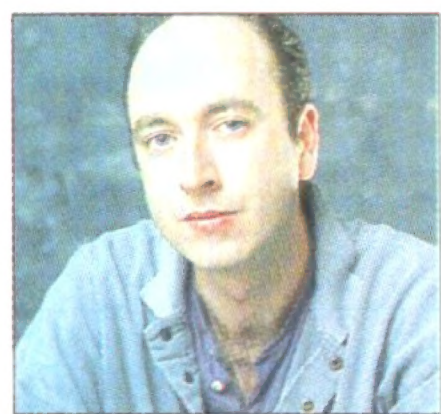


Getting to grips with Workbench 195

If you're new to the Amiga, you'll be keen to get your hands on this latest instalment of the series that explains how the Workbench disk works...



Welcome to Amiga Format!



Damien Noonan, Editor

Hello and welcome to AMIGA FORMAT, the world's best-selling magazine especially for Amiga owners! We're also pleased to announce this month the exciting news that this is now the

biggest-selling computer magazine in Britain, which only goes to show what a major phenomenon the Amiga has now become. And it puts those grey, boring business types with their IBM PC compatibles in their place, too!

What's great about the success of the magazine is that it gives us the muscle to bring you ever better value, and of course that brings us on to this month's other exciting development: the start of the AAMIGA FORMAT Collection. We hope you find Vista, this month's £60 complete program, both useful and enjoyable. Just wait to see what happens over the next five

months! Naturally this magazine can only be big because the Amiga is big and that brings us to another point: our 1992 questionnaire. We've asked you to fill in surveys before, but usually they're only to find out about how people use the Amiga and to help us tailor the magazine to your requirements. This time, we're going a bit further.

We believe the Amiga is now of major importance to the world at large. We think computing as a leisure activity should be given the same attention and respect by the national media as, say, music or films. We assume Amiga users are lively, intelligent people. And we're asking you an awful lot of questions about your general lifestyle to help us prove our point. Please do take the time and trouble to fill in the questionnaire on Pages 219-226: if nothing else, it will help make sure that AMIGA FORMAT is the magazine you want it to be.

As for the rest of the magazine: well, it's the usual broad-minded mix of the best in Amiga news, reviews and tips. Enjoy it!

COVERDISK turn the page!

AMIGA FORMAT

Down at the Arcade



MYTH*

Get some bone-shaking action in the fully-playable demo of System 3's near-legendary monster mash!

1Mb and 512K • A 500 Plus Compatible

Elementary Lemmings!*

A simple level solution for all puzzled puzzlers



Mouth-Man Duel*

Biplane

Three complete games bring you some real arcade action

Plus
Something really, really silly!

*These items need 1Mb of memory

Myth playable demo

In this month's demo of a brand-new game, System 3 present an eclectic mix of gnomish battling and subterranean exploration Try it!

Elementary Lemmings

Here's an exciting new concept in game tips! Are you stuck on the last, most tricky level of our Christmas Lemmings demo? Not any more!

Mouth Man

There's nothing quite like a classic arcade game for simplicity and playability, and this is one of the best conversions we've seen. Go for it!

Duel

What do you get when you mix the power of the Amiga, a reader with AMOS 3D and classic tank game Battlezone? Boot up and find out!

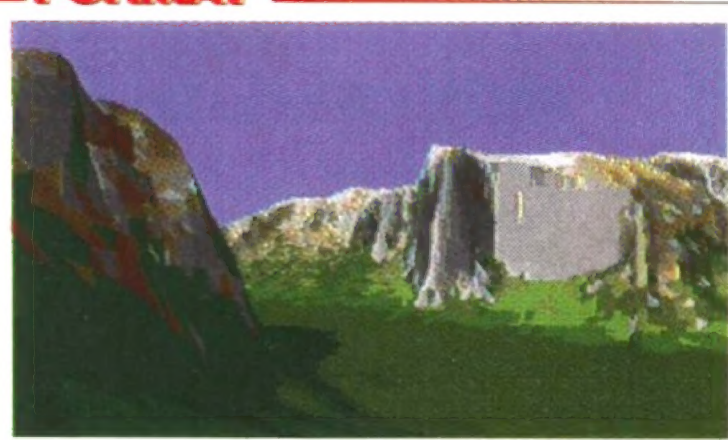
Biplane

It's fun, it's silly, and it's the third complete game on this month's Coverdisk. Take to the skies for a cartoon dogfight confrontation!

on page 11...

No.1 RRP £59

Vista



COMPLETE FULLY-USEABLE PROGRAM!
Create your own astonishing fractal landscapes, save them as IFF... so it's great for realistic scenes for graphics, but it's just amazing fun too!

1Mb needed • A 500 Plus Compatible • 1Mb needed

Vista 1.2

This is not a demo! This is not a save-disabled version! This is the FULL, COMPLETE package, RRP £59.99, and it's a corker! We've even had it rewritten specially for A500 Plus owners. Find out how to use it and have some fun!

Down at the Arcade
AMIGA FORMAT

MYTH*
Get some bone-shaking action in the fully-playable demo of System 3's near-legendary monster mash!

Elementary Lemmings!*
A simple level solution for all puzzled puzzlers

Mouth-Man Duel* Biplane
Three complete games bring you some real arcade action

Plus
Something really, really silly!

*These items need 1Mb of memory

1Mb and 512K • A 500 Plus Compatible

GETTING STARTED

Just pop the Coverdisk in any Amiga computer. The more memory you have, the more programs will work – the *Myth* demo, *Duel* and the *Lemmings*. Help animation all need 1Mb. Everything else should work fine on all systems (including the A500 Plus).

Right, by now the disk should have loaded Workbench. Use the mouse to move the pointer up to the icon named Coverdisk33b. Click on it twice in rapid succession with the left mouse button. A window showing the contents of the Coverdisk will open.

If you want the *Lemmings*. Help animation, *Biplanes* game or *Myth* demo, just double click on the icon (again with the left button). For the others, double click with the button on the drawer marked with the name. A window will open – double click on the icon in the window with the same name. Sounds complicated, but it does work.

If you start getting "Out of memory" messages after running a few of the programs, the best thing to do is to reset the Amiga by pressing the Control key and the two Amiga keys either side of the space-bar simultaneously.



It's very easy to select the different program's from this month's Coverdisk – just double click on the program you that you want to play.

Coverdisk

Here's **Pat McDonald**, who will be your guide Down at the Arcade. So take your 50 pence pieces in hand for the very latest release from System 3, plus a few old favourites...

MOUTH-MAN

Matthew J Barker PAL only

I'm all in favour of a good munch, but I think *Mouth-Man* is just greedy. He wanders around, eating everything in sight. No wonder the ghosts keep catching him up – he's got too much flab to make a decent turn of speed. That's the first level – after that things get much faster.

Mouth-Man is an Amiga version of the classic arcade game *Pacman*. You control the him with a joystick, as is usual for such games. The idea is to eat everything that is edible – to be more precise, all the dots and power pills that litter the mazes.

Standing in his way are four ghosts, named Tardy (Orange), Swifty (Pink), Brains (Red) and Blinky (Cyan). These ghosts all have a different personality, but contact with any of them will lose one of Mouth-Man's three lives.

To get your own back and eat the ghosts, you have to eat a power pill (one of the big dots) first. This turns the ghosts blue, and you can eat them while they are that colour. Each ghost you eat earns you a score bonus – the more you scoff, the more points for each one.

There are a couple of features that were not in the original. The first is the bonus – on each level, a little icon appears from time to

time. If Mouth-Man eats it, it will have an unpredictable (but usually good) effect.

The different effects are; ghost peeler – skins ghosts; extra power pill; ghost repellent (limited time); invincibility (limited time); extra Life; go to next level (very rare).

The other feature that wasn't in the original is that you can design your own mazes. This version has 12 mazes, but it can take up to 24. Unfortunately, the maze editor needs to be activated first before you can use it. Apparently, if you finish the game then that will give you a clue. Anyone who finds out, do write in to Helping Hand.

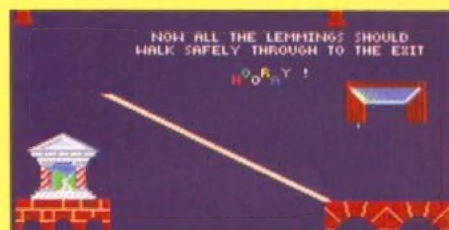


Running around a maze, eating everything that is in your path is the perfect way to relax after a hard day at the office.

LEMMINGS HELP

Maff Evans PAL/NTSC

Maff has had so many Gamebusters requests sent in requesting for help with the last level of the Xmas Lemmings demo that we gave away with *Amiga Format* 30) that he put together this clever little animation, to show people exactly how it's done. Just double click on it to see it, and when you know enough (the animation will loop) press the right mouse button to get back to the Coverdisk. Easy eh?



Full details on how to complete the last level of the *Xmas Lemmings* demo can be obtained at the double click of a mouse button.

RETCHA-SKETCH

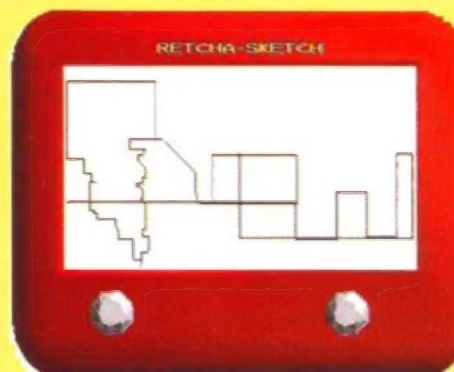
Mike Ball PAL/NTSC

This program has an undefinable quality to it. It doesn't have wonderful graphics, lavish sound (any sound come to think of it) or a big movie name splashed on the box. So why is it on the Coverdisk?

I suppose because it's fun. *Retcha-Sketch* is a computer version of a classic toy, controlled entirely with a joystick. To get past the messages which appear at the start, keep pressing the fire-button.

Once you're actually at the drawing area, push left, right, up and down to steer the drawing point where you want it to go. To clear the drawing area, press the fire-button. The screen will then shake up and down and your design will gradually fade away. You may need to keep the button pressed if your design is especially elaborate.

One further note: there is no way out of the program, except to reset by pressing the Control key and the two Amiga keys either side of the space-bar at the same time.



Probably the most trivial Coverdisk program of all time, *Retcha-Sketch*'s popularity seems to be inversely proportional (the younger you are, the more you like it).

DECIDED TO HAVE a read while the demo loads, huh? It has to be said that the loading speed is pretty slow. Still, it gives you a chance to get some fairly important low down information on the game.

Myth is set entirely in the land of legends, make believe, and government unemployment statistics. Nothing you find in it really exists. So don't go hiding under the bed clothes, because nothing nasty will leap out from your computer. Honest.

In the game you control a hero-type character – let's just call him Bod. Bod can run, jump, punch and kick. He can also pick up and use extra weapons that he finds hanging around, which is useful as some of the monsters are pretty tough.

The idea of the full game is that you have to guide Bod through several different levels, each with a different character. In this Coverdisk demo, only one level (the Hell level) is available. That's why the monsters are of the typical Hellscape variety: there are skeletons, gargoyles, a hydra, a devil and a huge great demon too!

To finish the demo, you have to kill the hydra at the top left of the level, and keep going left until you reach the exit. This is not as easy as it sounds, as none of the weapons easily available to you can harm it.

The first thing you have to do is to release the tortured soul chained to the ceiling. This is easily achieved with one blow from the sword. This achieves nothing in itself, but it will call up the demon from the lava pits at the bottom of the screen.

Once the demon is around (you may see him if you're close to the lava pits) you will hear a deep booming laughter, louder than normal. You will also be stuck on the same area of the level for a few seconds – don't let this bother you.

When the demon has been and gone, a red devil will appear somewhere close to you, fire a few fire balls, and vanish again. This keeps happening until you run out of lives or you kill him – the most effective weapon is the lightning bolts, preferably fired into his back. To avoid his shots, jump into the air so that they pass underneath you.

Once you have killed the devil, he will go for good, leaving his trident behind. Pick it up and move towards the hydra – it makes sense to build up some energy first from the gargoyles. Once you're near the hydra, select the trident and let it loose. One dead hydra! Then keep jumping left until you walk through the edge of the screen: demo completed! Well done!

HINTS AND TIPS

- Never run after the gargoyles. They can move faster than you can, and frequently turn round and bite you before you can react. Just wait till they get close to you – then kill them. Sweeping behind you with the sword seems the most reliable method.

- Don't get too close to the skeletons. If they're right on top of you then they can hurt you and you can't hit them. Always hit from a distance.

- Kill all the gargoyles you can, to get energy tokens out of them. These will build your energy back up, so you can't afford to take more damage.

- Pick up all lightning bolts you can – they are the most effective weapon.

- To get out of trouble, jump.

- Never fall into a lava pit.

Myth

System 3 PAL/NTSC



Unless you release the tortured soul by cutting the chain, the demon won't come. If the demon won't come, the red devil doesn't appear. If the red devil doesn't appear, you can't get the trident. If you can't get the trident you can't win.



First job when you appear (on the top left of the screen) is to kill a few baddies and get the extra weapons.



The red devil is the most difficult opponent to overcome, but you must beat him in order to get his trident.

MOVING AND FIGHTING - CONTROLS

MOVEMENT:

Joystick left	Walk left
Joystick right	Walk right
Up	Jump
Down	Crouch (picks up objects too)

ATTACKING MOVES WITH NO WEAPONS:

Fire	Punch
Fire + Down	Kick.

ATTACKING WITH THE SWORD:

Fire + Up	Hack above you
Fire + Behind	Slash behind you
Fire + Ahead	Stab in front
Fire + Ahead + Up	Slice in front

ATTACKING WITH LIGHTNING BOLTS:

Fire + Ahead	Fire lightning bolt
--------------	---------------------

WEAPONS SELECTION:

Left Arrow Key	Scroll the list
Space-bar	Select the middle weapon



BIPLANES

Peter Mason PAL/NTSC

The original version of *Biplanes* was on *Amiga Format* 18's Coverdisk. This version is nearly the same, except that rather than having to have a human opponent around, you can now play against the computer too! For two people to play, though, you will need two joysticks plugged into your Amiga – and to do that, you'll have to unplug the mouse.

The basic idea is to shoot down your opponent 16 times. You can shoot down balloons too, to boost your score. But always keep an eye on what the other guy's doing. It's not so easy when he's just dived into a cloud.

The first thing you have to do once the game has loaded is configure it. Complicated? Not at all! *Biplanes* asks you a series of questions, at the bottom of the screen.

Push left for a human opponent, right for human. Then the choices are left (for an easy computer game) or right (for a tough computer opponent). Select whether you want manual or automatic throttle – automatic (right) is much easier, otherwise you have to keep pushing forward to gain speed. Finally,



Getting a height advantage early on is very important in *Biplanes* – if you can get on top you generally stay on top.

choose fake stereo (left) or true stereo (right).

The reason that all the options are listed is that some NTSC users may not be able to see them – they'll be off the screen. For the same reason, NTSC users will not be able to make out the score (although whoever gets to 16 first wins).

Control is decidedly difficult to pick up. You can rotate the plane by pushing left or right on the joystick. However, it can be tricky working out which way to push, especially if your plane is upside down!

The secret of being a good *Biplanes* pilot is knowing when to twitch left, right and hit the fire-button. Only two bullets are visible on the screen at any time – so don't go firing blindly in the general direction of the other player. Take aim.

Beware of stalling the aircraft. If your plane hasn't got enough forward speed, then it will start to fall out of the sky. To get out of a stall,

point your nose at the ground and push forward to accelerate. At the last minute, pull out of the stall.

Another trouble area is the hut in the middle of the screen. You must practise your take offs, so that you avoid this obstacle. Good luck with the game, and never let a plane get on your tail – if you do you're history!

AIR WARRIOR TROUBLE

There was a glitch on last month's Coverdisk with the *Air Warrior* game. It was only playable if you had an analogue joystick. It's not just a case of switching it off from the *Air Warrior* menus – if you try this then you get a "Coverdisk32 is not validated" message.

The trouble is that *Air Warrior* saves all the changes you make onto the floppy disk. That particular Coverdisk was not designed to have things saved onto it – so what can you do?

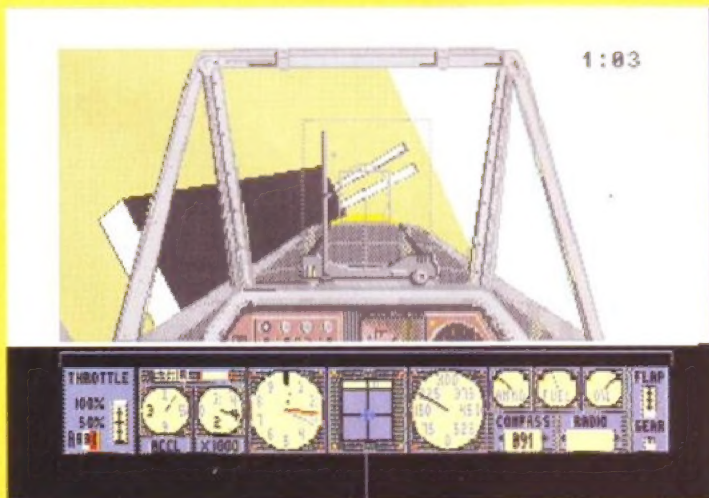
The solution printed here should not be run on last month's Coverdisk – do it on a copy of the Coverdisk instead. If you make a mistake and ruin the disk, all that will be damaged is a copy, rather than your only beloved copy.

It works by getting rid of the *Sequencer One* samples, and putting a disk-validator file onto the disk. To enter it, first load Workbench. Once you're there, double click with the left mouse button over the Workbench icon. Then double click again on the Shell icon. Type this (do remember to press Return after every line):

```
DELETE Coverdisk32:samples ALL
COPY FROM Sys:1/disk-validator TO Coverdisk32:1
```

The computer will ask for the copy of the Coverdisk when it needs it. Don't worry about the capital letters and lower case – the Amiga isn't fussed about which you use, so long as all the letters are in the right place.

Once that's done, you can reboot with the Coverdisk 32, and change the joystick option from the Options menu within *Air Warrior*. After that, it's saved forever, and you can fly to your heart's content.



To change the joystick setting for *Air Warrior*, you must access this menu option (keep the right button pressed, move the mouse up to the Option menu, down to the Joystick item, right to the Enable item. Let go of the right mouse button).

DUEL

Jon Creighton PAL only

This game needs two people and two joysticks. I'm sorry that to play it you have to unplug the mouse and plug in another joystick, but it's all down to the name of the game. *Duel* is a tank battle style game, where each player controls a tank and is trying to destroy the other guy.

Getting started couldn't be simpler. Just press the fire-button when the Begin icon is highlighted. Reset will clear the scores (the scores can be accumulated over several matches) and Quit is self explanatory.

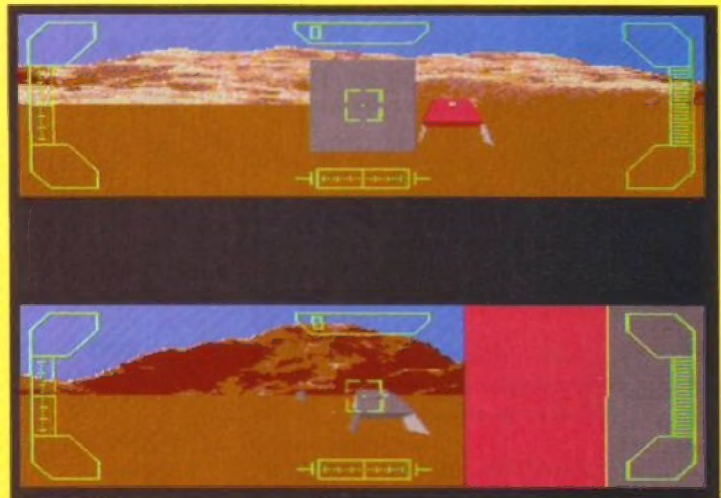
The control isn't difficult. Push forward and back to speed up or slow down, and left and right will turn your tank in the relative direction. The speed of your tank is indicated by the bar on the left hand side – note that you can reverse. Pressing the fire-button will let rip with the tank's cannon.

Dotted around *Duel's* landscapes are coloured cubes. Each player starts the game on opposite sides of the same cube. You can either edge round the cube to have a quick blast, or reverse away, to get to a safe distance.

Don't think that one hit is enough. Each tank can take quite a lot of damage before the game is won and lost. You can also damage your tank by trying to move onto the cubes, or ramming the other player; this causes them damage as well though.

NTSC users, *Duel* will run on your machines, but the player on the bottom won't get a complete picture. It's good enough to play the game, but rather than pretend there were no problems the game is marked "PAL only".

If you get a "Range Warning" message, then you are getting too close to the edge of the playing area. Reverse! If you don't then you'll blow up. It's a shame that the game doesn't let you play the computer, but perhaps the programmer will write such a version – a radar would be dead handy too.



The playing system for *Duel* is very similar to that found in two-player racing games – the top screen is for the green tank, the lower for the red.

Using Your Coverdisk

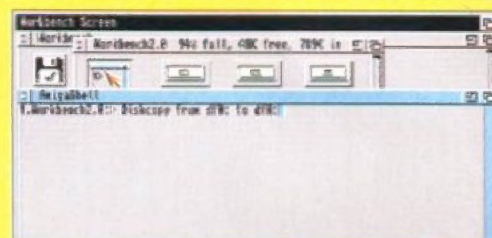
1. Always write-protect your disk. Move the tab so a hole is showing.
2. Copy the Coverdisk and use the copy, not the original. This may sound like a complicated task, suitable only for techno buffs, but it's surprisingly simple to do, just follow the simple instructions for copying the disk which are given below.
3. Read the instructions when using the programs.

Backing up your Disk

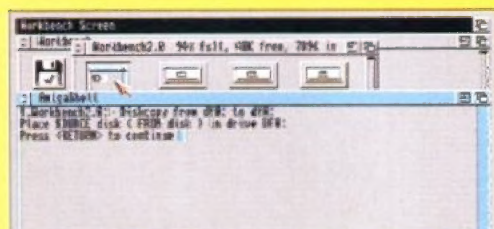
There are two ways of making a copy of your disk, and this is the easy one. Don't be daunted by the fact that you need to use the Shell or CLI: it's actually a lot easier than you might think. Just follow these simple steps...



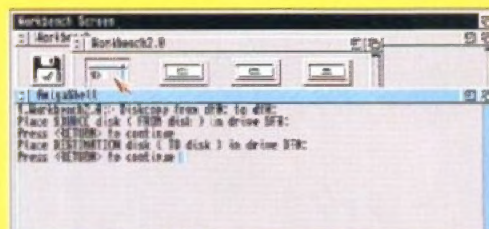
1 Load your Workbench disk. Open the disk, find the icon that says Shell or CLI and double-click on it.



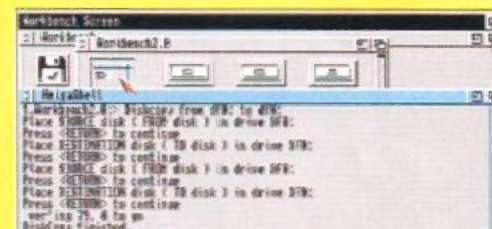
2 When the Shell window appears and the drive light is out, type in:
Diskcopy from DF0: to DF0:
and press the Return key.



3. The Amiga will now ask you to insert the 'source' disk. It means the disk you want to copy, so put the Coverdisk in the drive and press the Return key.



4. Wait for a while and it will read all the information off the Coverdisk, telling you how far it has got. Then it will ask you to insert the "Destination" disk. Put the disk you want to copy your Coverdisk onto in the drive and press the Return key. Note that the disk does not need to be formatted already.



5. Put the source disk and destination disk in a couple more times when the Amiga asks for them. When it says "Diskcopy Finished" just type in:
endcli
to get out of the Shell or CLI. You may have to put the Workbench disk in again. Now your copy is ready!

DISK PROBLEMS?

If you have a problem with the disk – and you're sure the disk is in full working order – then you may need a little help. If you ring us on any Tuesday, and ask to speak to Pat McDonald, he will do his best to help you. Please understand, giving this sort of advice is time-consuming and we are very busy people, so only call if you really have to and do be considerate if we can't talk to you just then. If the problem is particularly complex it is better to send it to us in written detail. It will then be dealt with in the Workbench pages of the magazine.

BE CAREFUL!

We have done our best to check that the programs on the **Amiga Format** Coverdisk are simple to use and have no known viruses. We cannot usually answer complex telephone queries on the software (see the Disk Problems? box) and we do not accept liability for any consequences of using the numerous programs that are on the disk.

COPYRIGHT

Unless it is specifically stated, the programs on the Coverdisk are not in the Public Domain and the copyright remains with the author of the program.

Because some of the programs on the Coverdisk are not PD, selling or distributing them without the author's specific permission is against the laws of copyright.

Disk not working?

We duplicate over 440,000 disks every month. Out of all those, obviously a few will be faulty. If the disk or any of the programs will not load or run properly, there may be a problem. Don't panic!

First try using the *DiskDoctor* utility on your Workbench disk to rescue it before sending it off for a replacement. In-full details of *DiskDoctor* can be found in the user's manual that came with your machine.

However, if your Coverdisk is faulty, you should send it back INCLUDING AN SAE for a free replacement within a month of the cover date to:

Amiga Format April Disk
Disk Copy Labs
Unit A, Westmarch
London Road
Daventry
Northants
NN11 4SA

Remember to include that stamped, addressed envelope!

Knightmare



"You are setting forth into another place, another time, another world," said Treguard, The Dungeon Master. And what makes you think that you four mere mortals will succeed in the Quest, when so many others have failed?"

I understood, at that moment, that our mission was going to take all our endurance, all our collective skill, and, most of all a depth of courage, that I wasn't sure we possessed.

Ever since ITV's award-winning series hit our screens, the world has been waiting for a computer game worthy of the name. The wait is over.

Tony Crowther's amazing re-creation has everything.

Using the same game system that made 'Captive' adventure game of the year for 1990, 'Knightmare' makes dungeons and dragons games seem like newts splashing around in a muddy puddle.

'Knightmare' is a sophisticated role-playing adventure where you are

challenged to solve complex puzzles, logic problems and riddles that reveal a rich, ever-more rewarding storyline.

Your journey takes you deep into the dungeons of Dunshelm, to a cataclysmic meeting with Lord Fear and the unthinkable horrible FrightKnight.

Whether or not the meeting is terminal is up to you. You will need wisdom, tenacity, alacrity and, above all, courage.

But you have all those things, don't you...?



Available for Amiga & Atari ST

BROADSWORD



MINDSCAPE

Knightmare is copyright Anglia Television and Broadsword Television.
Game copyright 1991 Mindscape International Limited.
Captive Copyright 1990, 1991 Mindscape International Limited, all rights reserved.
Written by Tony Crowther.




ANGLIA
Television Limited

For your local dealer, contact: **Mindscape International Ltd**, The Coach House, Hooklands Estate, Scaynes Hill, West Sussex RH17 7NG Tel: 0444 831 761

The **AMIGA** Collection
FORMAT

No.1 RRP £59

Vista



COMPLETE FULLY-USEABLE PROGRAM!
Create your own astonishing fractal landscapes, save them as IFF so it's great for realistic scenes for graphics, but it's just amazing fun too!

1Mb needed • A 500 Plus Compatible • 1Mb needed

And so this is Vista...

The first instalment of The Amiga Format Collection brings you this excellent fractal landscape generator from Virtual Reality Laboratories. **Marcus Dyson** gives you all the tricks, tips and advice on how to get the most from this stunning piece of software.

VISTA IS THE FIRST in a sensational series of fully-functional software packages that **Amiga Format** will be bringing to you over the coming months. With **Vista** you can create new worlds from scratch simply by entering a seed number, or access a vast library of geological information to create stunning visual models of the real world. We've even included a few landscapes for you to look at before you create your own. And all of this is available to owners of a 1Mb A500.

Should you wish to place **Vista** on your hard drive we've included the install program too! A500 Plus owners needn't worry either, because although the *original* version of **Vista** didn't work with your machines, we've had a special version coded especially to *work* on the A500 Plus, and that's on the disk as well.

When we reviewed **Vista** in Issue 15 of **Amiga Format** we said "It's fast, flexible and fun" and as usual, we weren't wrong. Back in those days we didn't give ratings to serious software, but if we had **Vista** would have been sure fire Format Gold material.

Once you've made yourself a landscape you could take it into *Deluxe Paint IV* to use as the background for a painting, or use it as the setting for a game. You could even just admire it for what it is, an exciting piece of computer-generated artwork. Before you do any of these things you have to learn how to use the program, it's really very simple, in the next few pages, we show you how...

Getting Started

Vista is fully auto booting on both the A500 and the A500 Plus, simply pop the disk in the drive at the prompt when the machine is turned on, or place the disk in the drive and do a soft reset (press Control and the two Amiga keys). The **Vista** program will run automatically, and it will also load the Halfdome.Scape demonstration landscape, ready for you to use.

If you wish to install **Vista** onto a hard drive, you will need to boot your Amiga from your usual Workbench. Double click on the **Vista** disk icon, and then on the install icon. If you follow the on-screen prompts, **Vista** will be mounted on your hard drive ready for use.



An imaginary river meanders between the newly tree-lined slopes of the Yosemite Valley.

Vista is incredibly simple to get the hang of. You'll find that landscapes like the one shown above are achievable only minutes from the time you first load the **Vista** disk into your Amiga.

And there's more

Not only have we brought you the **Vista** program, but we've also negotiated some great prices on upgrades exclusively for **Amiga Format** readers.

THE VISTA MANUAL £4.95

An in-depth set of instructions for your **Vista** program.

VISTAPRO V2.0 UPGRADE £39.95

Trade in your disk for a full copy of the latest version of the Format Gold winning **VistaPro**. Has 24-bit compatibility and a host of new features. (Needs 3Mbs of RAM.)

MAKEPATH £29.95

This utility works with any version of **Vista/VistaPro** allows you to create an animation sequence to give the illusion of 'flying' around your **Vista** landscapes. Using a simple point and click interface, **Makepath** gives you full control of your flightpath, even down to acceleration rates and banking angles, and it's all re-editable once completed.

TERRAFORM £29.95

Using this program allows you to edit and create the DEM format files which are used to store **Vista** landscapes. So rather than forming random fractal landscapes you can use **Vista** to make pictures of the worlds of your dreams, or edit DEM files of the real world.

SCENERY FILE DISKS £39.95

Over 30 sets of DEM files are available, at present virtually all feature US landscapes, including some of the superb scenery like the Grand Canyon.

All these items are available from:

Genisoft, Unit 3, Poyle 14, Newlands Drive, Colnbrook, Berkshire, SL3 0DX 0753 686000.



The Vista main control panel

This is the first screen you'll see when you load Vista, and from here you can do almost everything you'll need to do to create and render basic landscapes. Here's a look at what everything does.

The main screen shows a map of the currently loaded landscape at the left-hand side, and has the control panel on the right side. Most of Vista's functions can be run from this screen.

POSITION COORDINATES: as an alternative to positioning the camera and the target by depressing their buttons and clicking on the map (see boxes at right), it is possible to locate either of them by entering the required coordinate in these boxes. The numbers represent distances in metres. X being from left to right across the map, Y is from top to bottom of the map, and Z being the height above sea level. These numbers can be entered by clicking in the box and deleting or editing the required figure, but it is important to remember to press Return after entering any parameter in Vista, otherwise the program will not register its entry.

LAKE and RIVER: by using these buttons, then clicking on the map, it is possible to add lakes and rivers to a Vista landscape. The lake function will then flood the entire area of the landscape that can be reached without ascending from the altitude of the point you click on. A river will start at the click point and flow directly downhill.

TREES can be added to a landscape by pressing the tree button prior to rendering the scene. If this button is not pressed the program will still define an area for trees, and shade it appropriately, but will not draw any actual trees.

BLEND is a function to hide the polygonal nature of the landscape, it works by weighting the colours of each polygon with respect to those of the surrounding ones.

GOURAUD SHADING is a shading method which helps reduce the appearance of the polygons that make up the landscape, using it improves the look of the finished picture, but can increase rendering time by 50 per cent.

COLORS: pressing this button takes you to the Colors Menu, fully explained on Page 14.

RENDER: this is the button that tells Vista you've made your setting and now you want to see what it looks like, once this is pressed there's no going back. You can stop it rendering, but then you have to start right from the beginning again. Before you press this button check all the numeric values to see that they are what you expect them to be, because if you enter a number, then click on another box to enter another such value without first hitting Return (or Enter) your previous value will be ignored. Also make sure that you have saved the last image you rendered as an IFF if you intend to do so, because Vista can only hold one such rendered image at a time.

TARGET: by depressing this button, and then mouse clicking somewhere on the map you can tell Vista the location of the point in space where you want the imaginary camera, which takes your picture, to be aimed at.

CAMERA: by pressing this button, and clicking somewhere on the map, you inform Vista whereabouts in space you would like to position the camera which takes your picture. This operation will put your camera at ground level at the point you wish it to be, and can result in the polygons nearest to the camera appearing very large. A good way to avoid this phenomena is to elevate the camera by 100-200 metres, thereby 'overlooking' the large polygons. It is also advantageous to elevate the camera if you are rendering with the tree function turned on, because it is very easy to end up with most of your image obscure by a nearby conifer.

LOCKING FUNCTIONS: it is possible to restrict the movement of the camera and the Target in any direction, or combination of directions by depressing the relevant locking button. Please note that this function locks both the camera and the target simultaneously.

SNOW and TREELINES: the number placed in these boxes determines the height in metres above sea level that the snow-line and tree-lines will be positioned at.

The snow-line differs from the tree-line in that it is the bottom boundary (or lowest altitude) of the area covered by snow, the tree line is the highest altitude that trees will be drawn at.

HAZE determines the amount of atmospheric haze, which gives the picture depth.

LIGHT SOURCE: the direction of the light which illuminates the Vista scene is controlled by pressing one of these buttons, it is a rudimentary system, but adequate for most needs.

PIXEL DITHER is yet another way of hiding the fact that the landscape is made from many discreet polygons. When it is used the program dithers the polygon edges, thus making them less obtrusive in the picture.

SMOOTH imitates the effects of erosion, giving a landscape a more rounded, and older look. It can be used more than once and the effect increases with each additional usage.

RENDERING LEVELS: these buttons control the size of the polygons that make up the picture. The number relates to the edge length of the triangles, so 8 is the lowest resolution, and 1 the highest. See the box on Page 15.

WIDE and ZOOM control the angle of view of the camera, WIDE will display more of a given scene from the same camera position, approximating to about the normal human angle of vision. ZOOM is equivalent to about a 2x magnification of the picture.

FRACTAL SEED by clicking on the button marked F you will generate a random fractal seed which Vista will then automatically plot as a map on the main screen, allowing you to decide whether to render it or not. Clicking in the numeric box allows you to enter your own fractal seed, thus you can make an island of your birthday etc.

VIEW this button returns the user from the main control screen back to the last picture that has been rendered. If you make changes to the parameters of your Vista landscape, this is not the button to press to see what the changes look like. You must render the image first, which will automatically draw it for you.

Home Accounts 2

the best gets better...

When Home Accounts was launched four years ago we had just one goal—to create the best home finance program. Over 30,000 of you agreed with us and purchased Home Accounts, not only for use in the home, but also for business, clubs and charities.

It seemed like a good idea to let you tell us exactly what to put into Home Accounts2®.

Which you did.

Some of you didn't like the restrictions on the number of income accounts, expenditure types, and transactions. So we removed them.



Some of you wanted more graphics, so we added pie charts, scatter and line graphs. We thought we'd better smarten up the bar graphs, so we added 3D effects, stacking and overlaying, and we made sure you can print them.

Many of you wanted to calculate mortgage rate changes, loan repayments, retirement planning and so on. So we added a pop-up calculator and interest calculator. There's also an option to take account of inflation.

Since nearly half of you use Home Accounts for small business bookkeeping, we added options for VAT and business style reports.

Then, our technical people added a little...

Investment accounts, net worth statement, password, cheque numbering, custom reports, flexible year period. And (to save you disturbing them on our support hotline) an on-line help system, should you need it.



They also added our acclaimed *Human Interface Protocol*™, which first appeared in Wordworth®. As you can see, it sets a new standard in speed, style and elegance for Workbench. (It also contains a screen saver, *Playtime* games and a few other goodies.)

Amiga Format said, "Digita have made great efforts to listen to their customer comments and the result is a package which will suit any household. Everything the home user needs has been included—and more."

Home Accounts2 is written by Digita®. Which means you'll be using a program designed for the way British finances work, and you'll know where to come for professional support.

The only way you can really appreciate Home Accounts2 is to use it. Phone 0395 270273 for more information or, write to Digita, FREEPOST, Exmouth EX8 2YZ.



Home Accounts2 costs £54.99, which includes VAT, postage and packing; and when purchased from Digita, comes with a 7 days money-back guarantee.

If you already own a home finance program, for a limited period only, you can trade-up for just £29.99 by returning your original disks to Digita with your order.

Amiga Computing concluded, "A completely functional, very useful and amazingly easy program to use. If you're a wary newcomer to accounts packages then cast off your doubts and splash out on Home Accounts2."

As it turned out, listening to Home Accounts users was a pretty good way to write software.

The best just got better.

Machine support:
Written specifically for the Amiga.
Fully supports WB 1.3 and 1.20.
All medium and high resolution modes (mono and colour).



DIGITA®
INTERNATIONAL
software that's right™

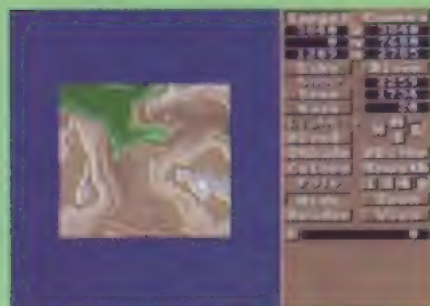
Home Accounts2 is available to the trade through Columbus, Gem, HB Marketing, IBD, Lazer, Leisuresoft, Precision and SPI.

Digita International Ltd, Black Horse House, Exmouth EX8 1JL, ENGLAND. Tel 0395 270273 Fax 0395 268893

© A member of the Digita group

Home Accounts2 is a registered trademark of Digita International Ltd. All other trademarks and their owners are acknowledged. Sold subject to standard conditions of sale T & C's.

After loading Vista you should be left with a screen something like the one below. If not do a soft reset. Now lets explore our landscape, and get to know Vista a little better...



After first booting Vista your screen should look like this, a map of the Half Dome landscape.

Test rendering

First press the render button, and you will shortly be presented with a rough version of your landscape, not terribly exciting just yet. Click with the left mouse button anywhere on the picture and you will be returned to the main screen.

The camera and target

Sometimes, to get the best view of something, you have to move around a little, and Vista is no exception, so let's see if we can get a more dynamic perspective on our scene, try clicking on the coordinates below TARGET and typing in 6480X, 2400Y, and 1644Z. Remember to press return after each entry or Vista will ignore the new value. Below CAMERA type

in the values 1080X, 7560Y and 1948Z. Notice your cross (which represents the target) and square (camera) moved after you changed the X and Y coordinates, they also changed after you changed Z, but this was straight out of the screen and so could not be seen.

Do another test render, and you should be presented with an altogether more attractive scene than last time.

Adding rivers and lakes

Back on the main screen, press the river button, then choose a point on the map at about point 6900X,5760Y. You can find the coordinates of a point by placing either the camera, or the target on the point, but remember to move them back afterwards.

Now repeat by pressing the river button, and pointing on the map a few times until you have a river that descends from the hills and flows into the large green valley at the top right of the map.

Now press the LAKE button, and click in this top right green area; you will be given a lake the size of which will vary depending whereabouts you click.

The Haze level

Changing the haze level will increase the apparent depth of the finished picture, because it will create the illusion of atmospheric haze, thus making the distant horizon a little less distinct. Now click in the box and enter the value 30, remember to press Return.

Continued overleaf



The Vista Colors Panel

This screen is accessed by depressing the Colors button on the main screen. From here you can finely tune how the pictures you render look by altering the colours, vertical heights and the camera angle, as well as other picture-enhancing effects.

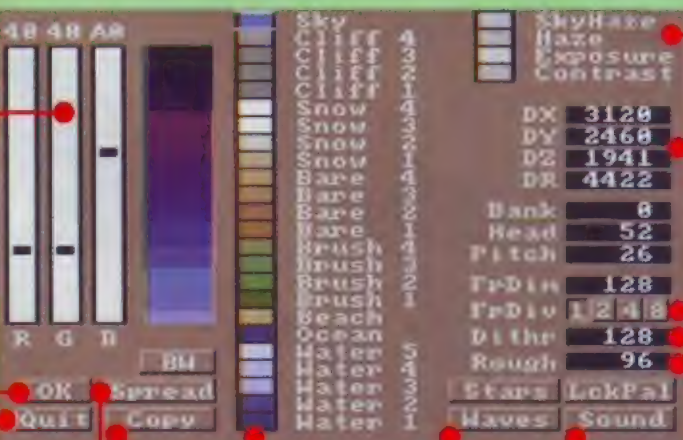
COLOUR MIXERS: most Amiga users will be familiar by now with RGB sliders to mix colours. Simply click on a colour in the palette and edit it by sliding these bars up and down.

OK: pressing this button accepts all the changes made on the colour screen and returns the user to the main screen.

QUIT: exits the colour screen back to the main screen without accepting the changes that have been made.

SPREAD: ranges a number of colours from the selected colour square through the spectrum to the colour of the next palette square clicked on.

COPY: duplicates the RGB values of the currently selected palette square into the next square clicked on after pressing the copy button.



PALETTE: shows the colours which make up the Vista picture. Any or all of these can be edited by first selecting them and then using the RGB sliders, Spread and Copy tools.

STARS and WAVES can be added to any Vista sky, lake or sea respectively, both can add considerable interest and variety to any picture you render.

SOUND: turning this on forces Vista to play a kind of fractal music where the notes are related to the mathematics that the program is calculating. You won't find yourself humming along!

HAZE and CONTRAST these values affect the "exposure" of the finished picture, playing with them will not change the shape of the landscape, but will affect the mood and quality of your final image.

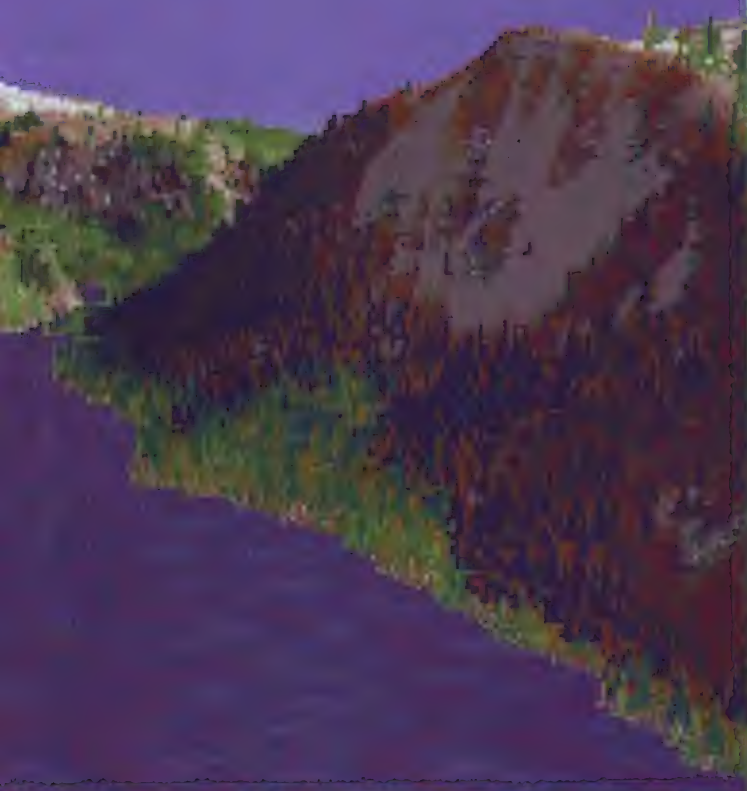
DY,DX,DZ these are the differences in displacement along each axis of the camera and the target. DR is the distance between the two. All measured in metres.

FRACTAL DIVISOR controls the number the of formations a fractal landscape features.

DITHER controls the fuzziness of the edges of colour bands (grass, rock, snow) a setting of 0 will make the snow/tree-line very sharp, a larger value will give a more natural appearance to the terrain.

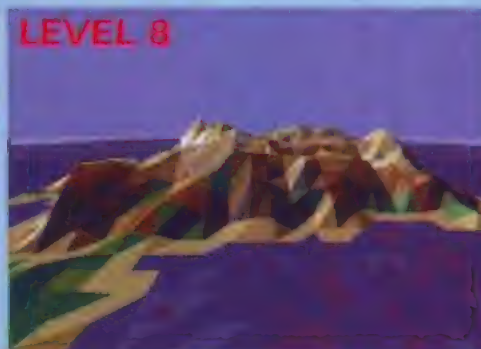
ROUGH varies the apparent ruggedness of the rendered terrain, this is increased by shading polygons lighter or darker than they would otherwise be.

If you want to create a picture like this, there's nothing stopping you. All you need is your Amiga and the Vista Coverdisk. Instructions on what to do are given in the text on this and the next page.



Those modes in action

LEVEL 8



The lowest level of recursion offered by Vista is level eight. At this resolution a landscape can include up to 2,048 triangles. This picture took two minutes 15 seconds to render. At this level the triangles which go to make up the landscape are very large, and very obvious. The short rendering time at this resolution is so that you can get a rough idea of what your scene is going to look like, and to help you position the camera and target positions.

LEVEL 4



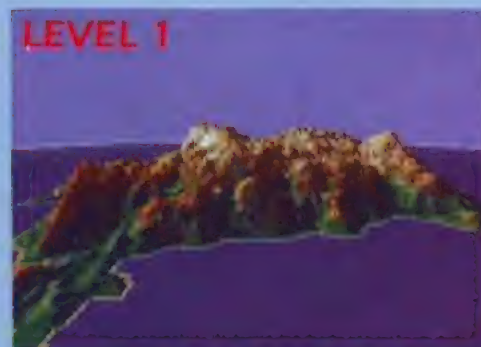
The second picture is at level four and took two minutes and 30 seconds to render. More detailed than level one, but with only a slightly longer rendering time, this resolution is probably better suited to the purposes mentioned above. A picture at this level can include up to 8,192 polygons.

LEVEL 2



The 32,768 polygons that make up this level two picture took eight minutes and 55 seconds to render. As the rendering time increases so does the quality of the picture, but it still isn't so good that you'd want to show this to your auntie when she visits at Christmas. On a standard Amiga the rendering takes so long that you probably won't find yourself using this resolution very often.

LEVEL 1

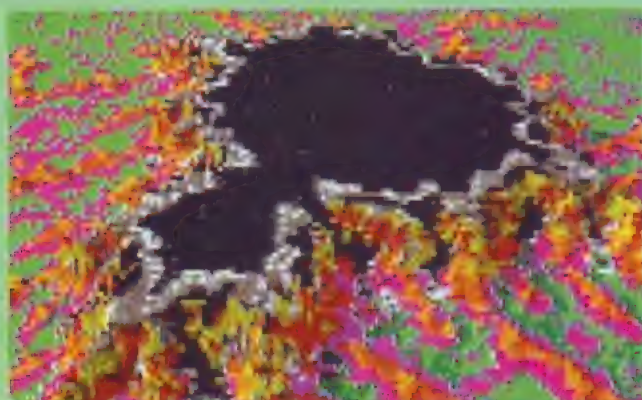


The Fourth picture is at level one and took 30 minutes to render, which is not that surprising when you consider that it is made from nearly 131,072 polygons. This is it, the real thing, the highest level of recursion available from Vista, and it really takes a while to draw a picture at this level, but you can still improve the quality of the final image if you're prepared to wait a little (oh! all right then, a lot) longer...

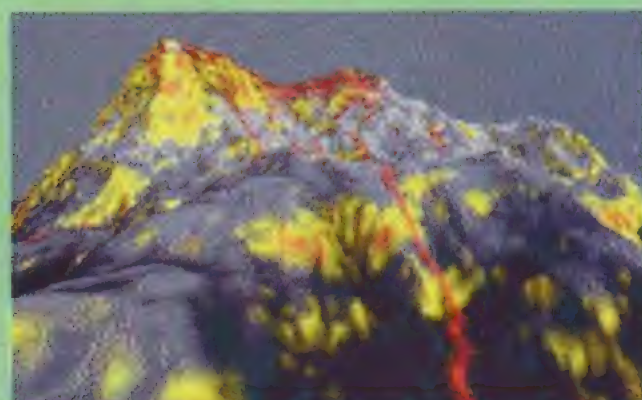
LEVEL 1 + SMOOTHING



This picture has all the bells and whistles. Rendered at level one, with Gouraud shading, dithering, smoothing, waves, trees and stars turned on. It took 44 minutes to render. It makes you seriously start to consider buying an accelerator doesn't it? But considering the improvement in quality over even the level one render, it seems to be worth the extra wait. And you can always set up a script to render and save a few such pictures whilst you go see a movie.



The Mandelbrot set rendered as a fractal landscape, and you can't get more fractal than that! Careful alteration of the colour palette can help emphasise the contours of such a picture.



This 'volcano' was created by simply changing the colour palette of a scene generated from a random fractal.

The light direction

If you test render your image now, you will see the slopes on the left of the picture are in the shade, while those to the right are sunlit. On the main screen press the button marked W next to the word light, this will change the direction of the light so that it comes from the opposite direction.

The tree line

A test render will now reveal sunlit slopes to the left of the picture which are tree lined some of the way up, we can increase the height to which trees grow by clicking in the numeric box next to the word tree, let's try entering the number 2000, and pressing Return.

Waves and Stars

If you press the COLOR button to be taken to the Color menu screen you will see a button marked waves, pressing this will improve the appearance of the surface of large areas of water in your picture.

The Stars button will create an artificial starscape in the sky of your picture, this requires you to set the sky and haze colours quite dark, and results in a picture that looks like it was taken at night. Since this is not the effect we want from this picture we will leave these buttons un-pressed for now. Both these effects are evident on the picture on Page 11.

Rendering the final picture

Now we have set almost all the parameters, we can render the final picture. First set the polygon size to 1, click on HAZE, click on GSHADE, PDITHER, and finally click on SMOOTH. Now we are ready to go, this will take quite a while on an un-accelerated Amiga, so now's a good time to go have a cup of tea or something. If on the other hand you do decide to stop and monitor your machine's progress, Vista will display a status bar whilst it is rendering. Press render, and you will see the status bar display:

COLOUR: the program is calculating the colour and shade of all the polygons, taking into account their altitude and the topography of the position they occupy (whether they should be grass, or earth, or rock etc.)

CLIFFS: regardless of the surface of the area, if the steepness of the ground exceeds a certain limit, Vista will place cliff colours there.

TABLE: Vista has a lookup table for the amount of light reflecting of each polygon, if the direction of the sun is changed, or the contrast settings, then this table is recalculated.

SHADE: the shade of each polygon is affected by the direction of the sun, the amount of smoothing, Gouraud shading, the presence of lakes and rivers and the size of the polygons. If any of these various factors change, then Vista re-calculates.

SKY: whilst drawing the sky, which due to the haze effect is not just one colour, Vista displays the word sky in the status bar.

HORIZON The last part of the render calculations, displayed just before Vista begins to work out the display image.

DRAW Vista draws the image, it cannot be seen doing this since it happens on a virtual screen to speed up the process. As it draws

Vista displays its progress in lines, counting slowly but inexorably to 256. When complete, the screen is converted to the real screen, at this point the image can be seen to draw line-by-line from the top of the screen.

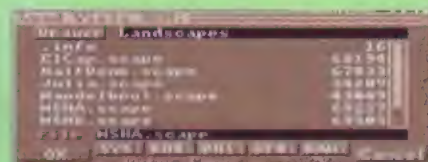
When the render is complete you should end up with a picture pretty similar to the one on Pages 14/15, but if you don't it really doesn't matter, because the wonderful thing about fractal landscape generation is that one small change in the way you go about creating the image can result in a completely (or maybe just slightly) different picture.

Saving your picture

Once you have a picture you're happy with, you can save it out as an IFF to use in other packages, such as *Deluxe Paint IV*. If however you want to work on it again in Vista, then you can save it as a VistaDEM format, both these options are in the Project menu of the main Vista screen.

Loading a DEM Landscape

After you have saved your picture you can load another one by pressing the right mouse button at the top of the main screen. This will reveal the Vista menus. Go to the PROJECT menu, and scroll down till your mouse pointer is on the words LOAD LANDSCAPE, now a sub-menu will appear, move the mouse pointer over the word VISTA DEM. Releasing the mouse button will now bring up a file requester like the one below.



The Vista file requester will appear every time you load or save a landscape.

By clicking on the buttons at the bottom (SYS: DH0: DH1: DF0: etc) you can select a drive to load your pictures from. Our demonstration pictures are in DF0: because that's where your Vista disk is, but if you are using a hard drive you can store pictures wherever you like.

Once you've selected the drive the requester will list all the files on that drive. Select the directory that your pictures are in and you will be presented with a list of all the landscapes in the directory, click on the one you would like to load and its name will appear in the file window, now click OK and the landscape will be loaded.

Instead of rendering one of the example pictures, why not create one all of your own? It's very simple to do, just enter a number at the bottom of the screen next to the button marked F. Press return and the computer will draw you a map of your landscape, you can then do all the things you just did to the example landscape and more to it. For instance you could make a valley's walls black and grey, and flow a red and yellow river through it, creating your own volcanic scene.

With Vista you can do what you like, but whatever you do, have fun!

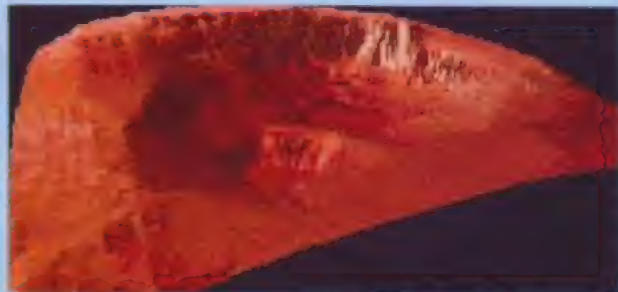
DEM 'dere hills

The DEM format was devised by the United States Geological Survey as a method of storing geophysical information, ie the physical statistics of a given area of land. Much of the United States has now been surveyed in this manner, and these records are available to the users of programs like Vista.

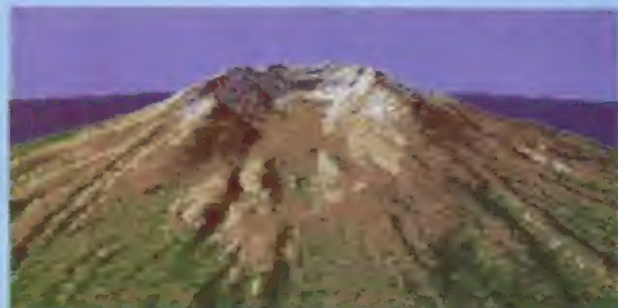
DEM stands for Digital Elevation Model, and the name gives you a good idea about how this information is obtained. The area to be mapped is measured every 30 metres and the height above sea level is recorded in metres. This means that computer programs can make accurate models of the land by simply plotting all these points that have been recorded by the USGS and then drawing polygons between them all. Then by using a polygon filling routine, and a little bit of mathematics to smooth and shade the terrain, a fairly accurate picture of the original landscape can be produced.

We've included a few such landscapes on your Coverdisk, and there are hundreds more available, for details contact HB Marketing, the UK distributor of Vista, on 0753 686000.

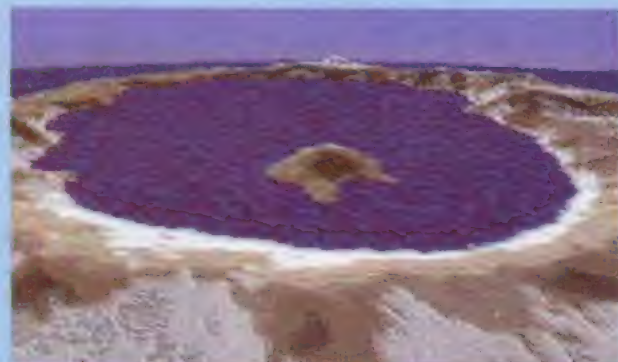
But for now let's take a look at some of the ones on your Amiga Format Vista Coverdisk...



Olympus Mons is a huge volcano on the surface of Mars, it is about 500 km in diameter and about twice the height of Mount Everest. Due to the DEM file being made from lower than usual frequency of measured points there is a lot of 'artifacting' (inconsistencies) in the file, but a few smoothing passes should improve the picture.



Mount St Helen's, Washington. This is how the Mount looks now, after blowing its top on May 15 1980, creating winds of up to 670 miles an hour which flattened all trees within 19 miles (so remember that if you want to do an accurate render). The new crater is about 3km wide. For reference, there's a 'before' file included on the disk as well.



Crater Lake is the caldera of an ancient volcano in Oregon, the sides of the caldera which form the shores of the lake fall some 1,250 metres from the rim to the bottom of the lake. The DEM does not include the water of course, but this can easily be put in the picture by using Vista's Lake function. The island in the lake is known as Wizard Island.

2-HOT 2-HANDLE

THE SPECIAL PACK OF ACTION GAMES THAT WILL CAUSE A

2-HOT

2-Handle



AMIGA ATARI ST

ocean

AMSTRAD
SPECTRUM
COMMODORE

the bitmap brothers



x e n o n

c a d a v e r

s p e e d b a l l 2



v o l u m e 1



STREETDATE: APRIL £25.99

COMMODORE AMIGA & ATARI ST

KT METROPOLITAN HOUSE WAPPING WALL LONDON E1 1AA



You are now reading Britain's best-selling computer magazine

The latest circulation figures for **Amiga Format** show that it is not only the best-selling Amiga magazine in the world, but also the best-selling computer magazine in Britain. The average monthly circulation for the six months of July-December last year was slightly over 130,000 copies a month, the readership of the magazine is growing constantly and the Christmas Special Issue was bought by about 160,000 readers.

This means **Amiga Format** is the most popular computer magazine in Britain, ahead of all the serious magazines for PC owners and business people. A growth of 63 per cent on last year's figures also makes us the fastest-growing magazine of any kind in Britain.

Naturally we're pleased, and we'd like to thank all our readers for their continued interest. But we're also pleased because it shows the Amiga is going from strength to strength and is getting the recognition it deserves as a major phenomenon of the Nineties.

Battle resumed in professional DTP war

The competition between the two top DTP packages *Professional Page* and *PageStream*, which included a fiercely competitive comparative advertising campaign in American Amiga magazines, is about to be resumed with the release of new versions of both programs.

Both have already gone as far as they are likely to go in terms of professional-standard text and image handling, and they both already include full support for fully-scaleable 'outline' fonts and both will do full process colour separation, though only *Pro Page* incorporates the Pantone colour-matching system.

As a result, it seems that the only remaining areas of distinction between the two will be general useability and the accessibility of the user interface. In other words, how easy to use and reliable each program is. For just this reason, both new releases are going to major lengths to incorporate improvements in the 'user environment', particularly a 'publish and subscribe' system whereby networked machines can share editing of the same file.

The new *Pagestream* 2.2, by Soft-Logik, is already available. It's advantage is likely to be Soft-logik's acquisition of a full professional font library. The release of Gold Disk's *Professional Page 3* is imminent and the key feature could be the automation of page layout by an extensive system of macros.

A690 rescheduled, renamed... revealing

The A690 CD-ROM drive for the Amiga, pencilled in for a March arrival in the shops, is now not looking likely to arrive until a few weeks later: and when it does arrive it will have a different name. But an investigation into the reasons for the name-change has also revealed interesting possibilities about the future of the Amiga.

The CD-ROM drive, which will enable Amiga owners to run Compact Disc-based CDTV software, is now expected to go on sale at the end of May and has been renamed the A570.

Commodore are keeping particularly tight-lipped on the reasons for the rename, but it is believed to have something to do with the positioning of the Amiga range.

Computer industry magazine *CTW* is just one of many sources which has suggested recently that Commodore are about to launch a new mid-range Amiga possibly to be called the Amiga 600.

If Commodore want A500 owners to buy the CD-ROM drive, it would make sense for it to have a 500-series name-tag; and equally, the fact that the A690 name occurred in the first place gives credence to the theory that there is to be a 600-series machine along with peripherals.

Commodore's Sales Manager Kelly Sumner is quoted in *CTW* as saying about the new machine, "Let's not get carried away about it having 60 million colours and quadrophonic sound. It's a slight improvement on machines already in that area."

Likely modifications include the full Enhanced Chip Set with 2Mb Agnus, a built-in TV modulator and possibly also MIDI interface, and room for internal extra disk and hard drives, though a new 16-bit Paula chip for enhanced sound is also on the cards.

Commodore are well aware that to compete with the growing popularity of games consoles, they have to build on the marketing of the Amiga as a real computer and not just a games machine.

It has already been suggested that a bundle, much



The delay in releasing and the renaming of the 'A690' has led to rumours about the possible release of a new range of A600s. This would help explain the renaming of the ROM drive to the A590.

like the successful *Cartoon Classics* pack, with its appeal to a younger, Bart Simpson-watching audience, is unlikely to reoccur.

Slipping a newer and more sophisticated but still very affordable machine into the range would certainly make sense in these terms. It could be expected to be bundled with some of the more serious software and targeted at parents, building on the Amiga's strength as a family machine.

Enhanced sound via a new Paula chip and a MIDI interface would also fit in with Commodore's current thinking. The Atari ST was once the preferred option for musicians with computers, simply because it had been sold with a MIDI interface built in from the start.

The ST is, however, rapidly beginning to look like a dying machine and the music industry is beginning to catch on to the appeal of the Amiga as a low-cost platform. Commodore are also in the process of planning a marketing campaign targeted carefully towards it use in music.

Whatever the specification of the new machine, Commodore are decided that the price of the A500 will not drop. The new machine is expected to join it on the shelves in the late summer.

Ocean anti-piracy plan flops

The anti-piracy 'dongle' included with Ocean's game *Robocop 3* and intended to prevent dongle-less pirate copies from being played has become a spectacular failure. A cracked version of the game which plays fine without the dongle was received by **Amiga Format** in the post only days after the game's release.

Comments by Ocean's Software Director Gary Bracey, speaking to our sister magazine *Amiga Power*, reveal the cost of the exercise. "We evaluated the whole dongle idea along with a number of other software houses, but nobody seemed very keen to put serious resources into it, so in the end we decided to put our money where our mouths were".

Ocean claim that the increased £35 price of *Robocop 3* does not include the buyer paying for the

dongle's development. "We've done our bit, done something positive about piracy without passing the cost on to the consumer."

Copy protection is not necessarily aimed at the crackers so much as to discourage the casual copyist. "Though it was grating that you could download the entire game from bulletin boards within two weeks of the game going on sale, I think we can safely say that it won't be pirated by the man in the street" says Bracey. In which case you might not imagine that the cracking of the dongle would be such a disaster. So will they use the dongle idea again? "We know how they got past the *Robocop* one and we can make sure that they can't do exactly the same thing again, but the way I feel at the moment is that someone else can try it next time."



Robocop fails to quash the perpetrators behind software piracy. Ocean say it's someone else's turn now...

Editor's Opinion

Tell us what you really think!



Amiga Format may well be the best-selling computer magazine in Britain, but that doesn't mean we're complacent; it doesn't mean the magazine is perfect; and it doesn't mean you have to accept it as it is.

We've worked very hard to fine-tune the formula over the last couple of years and the magazine is constantly

changing, we hope for the better. But in the final reckoning it's you we are here to please: so it must be you who decides what should be in the magazine.

Which, of course, means we need your co-operation. One very important feature of this month's **Amiga Format** is the massive Reader Survey and if you can take a few minutes to fill it in and send it to us (it's a Freepost address) we'd be very grateful.

We're not just looking for your comments on the magazine: we're also asking you to provide us with a lot of information about yourself. The reasons for this are explained in some detail at the start of the questionnaire and I think you'll find they make sense so please, if you can, do take the time and trouble to answer all the questions.

The information we gain this way is extremely useful to us, and we do use it to guide the development of the magazine, ie, how to structure are regular features and columns. The last questionnaire that we did was way back in February 1991 and we believe the average **Amiga Format** reader has probably changed quite a substantial amount since then.

At the time, for example, 68 per cent of readers had expanded memory, a figure which we reckon will probably have gone up a lot. Only 10 per cent of you had hard drives, and I reckon that figure will probably have gone up a bit too. Knowing this sort of thing tells us how ambitious we can be with Coverdisk programs and what reviews will appeal most.

But perhaps most important of all is the way we can tailor the magazine to your tastes. Our last survey revealed that the least popular section was music, so our regular music coverage was dropped to be replaced by occasional reviews and tutorials. The most popular thing was tips, so we've since expanded Gamebusters and Workbench and added the regular Helping Hand and Answerfile sections to make more of tips.

We see what we do in terms of three core concepts: news, reviews and advice. You want to know what's new on the Amiga scene, and **Amiga Format** has consistently brought you the newest stuff first, with exclusives on CDTV, the untimely arrival of the A500 Plus and *Deluxe Paint IV* are among some of our many triumphs of last year. You want to know how good stuff is, and **Amiga Format's** reviews have been voted as the ones most relied upon by the computer trade for two years running. You want to know what to do if you get stuck, so we answer your questions in the advice pages. And you want to know how to do new things with your Amiga, which is why we do so many 'how to...' features like the current one on animation. Oh, and we hope the magazine's a good read, too!

If you think we've got the right ideas and are doing it properly, then tell us. But if you've got any ideas about how we could make the magazine more appealing, also tell us! Either way, please try to fill in the questionnaire: and we'll try to give you the mag that you want.

CD-ROM drive to be launched at Amiga Shopper Show

The UK launch to the public of the A570 CD-ROM drive (previously known as the A690) will take place at the Amiga Shopper Show at Wembley in May.



Commodore will have a major presence at the show organised by our sister magazine, and will not be showing the CD drive anywhere else, so this will be your first and only chance to try it out before it hits the shops. Meanwhile many other major manufacturers, including printer firm Citizen and US hardware giants Supra and GVP, have confirmed that they will be attending the show.

GVP will be showing the new ultra-compact PC emulator to fit inside the HD8 hard drive, while Scottish digitiser manufacturers Rombo will be demonstrating the capabilities of their Take 2 animation system. Cortex, Gasteiner and WTS will be displaying their latest ranges of hardware and leading music distributors Zone will be making quite a noise with the new SuperJam.

Most exciting of all (they exaggerated), Amiga Format will no doubt be putting in a celebrity appearance: and perhaps putting ourselves in line for you to ask hard questions. There should also be a decent games element to the show, even though Amiga Shopper pretends not to like games at all!

The Amiga Shopper Show will take place from Thursday May 15 to Sunday May 17 at Wembley.

Entrance on the day will be £6 adult and £4 under-14s, but you can save money by booking in advance on the hotline number: 051-356 5085.

Whatever happened to Mirrorsoft?



An aptly titled Mirrorsoft classic game. Unfortunately those who bought the game, and have a faulty disk, now have nowhere to turn.

Mirrorsoft, who were the publishers of such recent classic games as *Mega-lo-Mania* and *First Samurai* (both Format Gold winners), went into liquidation just before Christmas. This came as a big surprise to the company's employees who believed that Mirrorsoft was in sound financial shape despite the Robert Maxwell scandal, but it seems that even a healthy company can be dragged down when a large gentleman drowns. Mirrorsoft was, directly or indirectly, a Maxwell company.

While most of the programs owned by the company will now be sold off to other companies, the closing of the company has left many frustrated gamers out there high and dry if they were expecting replacements for faulty disks or the like. Unfortunately, as things stand currently there is nothing anyone can do to help: no-one is legally liable for Mirrorsoft's debts.

Amiga Format blames the government.

Amiga Format offers free Vista accelerator support

This month's **Amiga Format** Collection program *Vista* has one small snag if you happen to own a faster processor or accelerator card: it won't work. This is because we rewrote the program specially for A500 Plus owners, so we didn't have room on the disk for the accelerator version too.

Still, as they say, don't panic! If you own an accelerator just send us back your *Vista* disk (in a stout cardboard envelope, preferably) and we will send it back to you with the accelerator version on, free and for no money! The address is as follows: Faster Vista, **Amiga Format**, 30 Monmouth Street, Bath BA1 2BW.

New Vista emerges

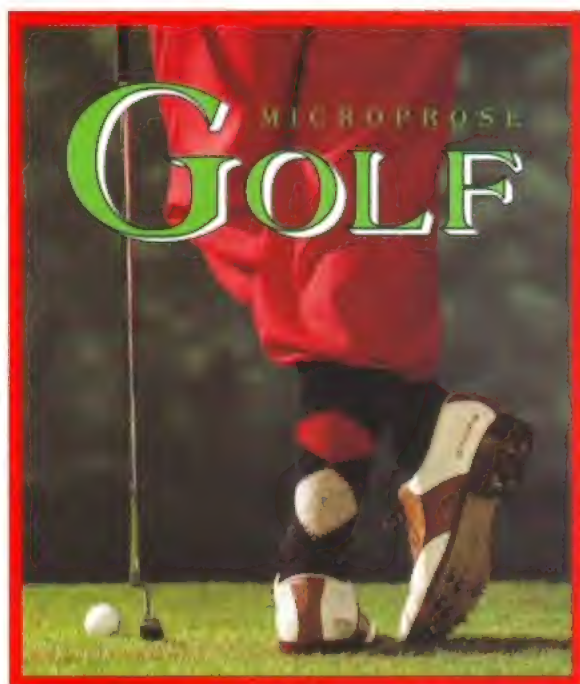
There's hell of a lot of excitement about the latest release of *VistaPro*, the heavy-weight upgrade to this month's **Amiga Format** Collection program. *VistaPro*, which acclaimed sci-fi writer Arthur C Clarke described as "a fantastic program", is soon to be available in its version 2 incarnation. It will include fractal trees and improved colour among as well as other new features. It needs 3Mb of RAM, but for that extra memory it's going to look astonishing: expect a full review next issue.

HB Marketing 0753 686000



Amiga Format will not leave anyone out, not even souped-up Amiga owners. If that includes you then send in for your free *Vista* disk.

*When
sport gets serious...*



*At MicroProse we're serious about sport.
Because we know you are.*

But it's only a game.

*Try to remember that when you're playing our
simulations*

MICRO PROSE™
SIMULATION • SOFTWARE

PC compatibility gets competitive

The competition among PC bridgeboards and emulators looks set fair to get very competitive very quickly, with a whole range of new boards on the way. Commodore are expected to announce their new 386 bridgeboard soon, and a consequent drop in price of the 286 and lower versions should follow over the next couple of months.

GVP are about to launch their 286 PC emulator on a tiny card that will fit inside their HD-8+ hard drive for the Amiga 500. It's tiny and it has the advantage of not invalidating your warranty (you don't have to take the Amiga apart to plug it in) and it will cost £300.

Meanwhile we can exclusively reveal that Vortex, originators of the ATOnce card, are expected to launch a 16 MHz 386 PC emulator very soon indeed. Details are yet to emerge, but the price is expected to be ludicrously competitive.

New versions of the established Bitcon PC Powerboard and Vortex ATOnce emulator for the A500 Plus are on the way too, and we'll be taking a look at the whole field of PC emulation in about two issues' time.

Software houses commit to "dual format" with CDTV

With the imminent release of the Amiga CD-ROM drive, publishers who were previously wary of CD seem to be willing to commit themselves to releasing new titles on disk or compact disc.

Mark Lewis, managing director of Electronic Arts, comments "Dual formatting will become a cost-effective way to reach both markets. We are currently looking at releasing both our educational and 'edutainment' software on CD."

Amiga Format has always felt somewhat wary about the policy of publishers converting old games to CD, because we believed it was underuse of a CD which can hold 650Mb of data to slap a 500K game onto it. However, if the latest game is available on CD at the same price as the disk version, the computer user is not losing, so we feel it could be a positive step.

Certainly, if software houses can encourage people to buy their games on CD they can expect to see a long-term benefit as piracy declines. If there's any justice in the world this might mean a steady decline in software prices in the long-term.

In brief...

New Horizons' 512K entry-level word processor *QuickWrite* is about to be updated to version 1.1. New features on what is already an excellent little no-frills WP system will include timed autosave, a 3D interface look in line with Workbench 2 and Macro and A-REXX compatibility.

The Amiga CDTV is to go on sale at more branches of high-street retailer Dixons, bringing the number of Dixons stores selling the machine from 36 to 100 nationwide. This is due to customer demand.

A recent press release from Commodore shows that Amigas are currently in use designing patterns for carpets, controlling power stations, controlling stock at a wine merchant, displaying Lucas's car electrical equipment at flashy car shows, training policemen in Cheshire and teaching policemen elsewhere how to control crowds.



The latest releases from Virgin should shake up the CD software scene. I bet they drink Carling Black Label...



...Sir Ranulph Fiennes probably does, and you can find out in this interactive adventure of his North Pole expedition.

Virgin go CDTV

Three new CDTV releases are expected very soon from Virgin's Multimedia department, two of which are expected to be real groundbreakers. The first up to be released is *Spirit of Excalibur*, pretty much a straight Amiga game. It's an Arthurian adventure, featuring enough graphics data for about three Amiga discs as well as a full hi-fi audio soundtrack.

More excitingly original is the North Polar Expedition, the CDTV version of which has been recreated from Virgin's earlier and much-praised CD-ROM version. It's the story of Sir Ranulph Fiennes' expedition to the North Pole, recorded during the actual expedition and presented as an interactive adventure. It's not a game, however: it's aimed primarily at educational use and looks likely to be very exciting indeed.

Last but by no means least is the intriguing new music teaching system *Musicolor*. Based on the avant garde theories of American music expert Candida Toobin, it aims to teach proper music notation and correct musical construction by the use of as many visual clues as possible, particularly colour. If it's half as effective as it promises to be, the results should be immediately satisfying.

Amiga CD leads in new hi-fi technology



Another new exciting idea for CDTV and would be A6(5)90 owners...



CDs with their very own graphics and lyrics: you can SingalongaLou or...



...experience the Purple Haze with all your favourite Seventies icons.

Two exciting new developments in hi-fi CDs are currently available more or less exclusively to Amiga CDTV owners. The first is CD+Graphics, in which audio is accompanied by some picture data: the second is CD-MIDI, in which audio is accompanied by MIDI data.

Both systems have been pioneered by music publishers Warner Brothers. Currently, there are only a few titles available, but the list is growing all the time.

CD+G or CD+Graphics discs are essentially just normal hi-fi audio discs and can be played on any CD player. However, with certain kinds of high-end CD players you can also get a video output from these discs and feed it to your TV.

The data available for pictures is limited on these discs, but it's enough to do some quite competent images that scroll or flick, and is ideal for printing the lyrics up on screen. Whether or not it catches on in the long term remains to be seen, but the effect is certainly intriguing.

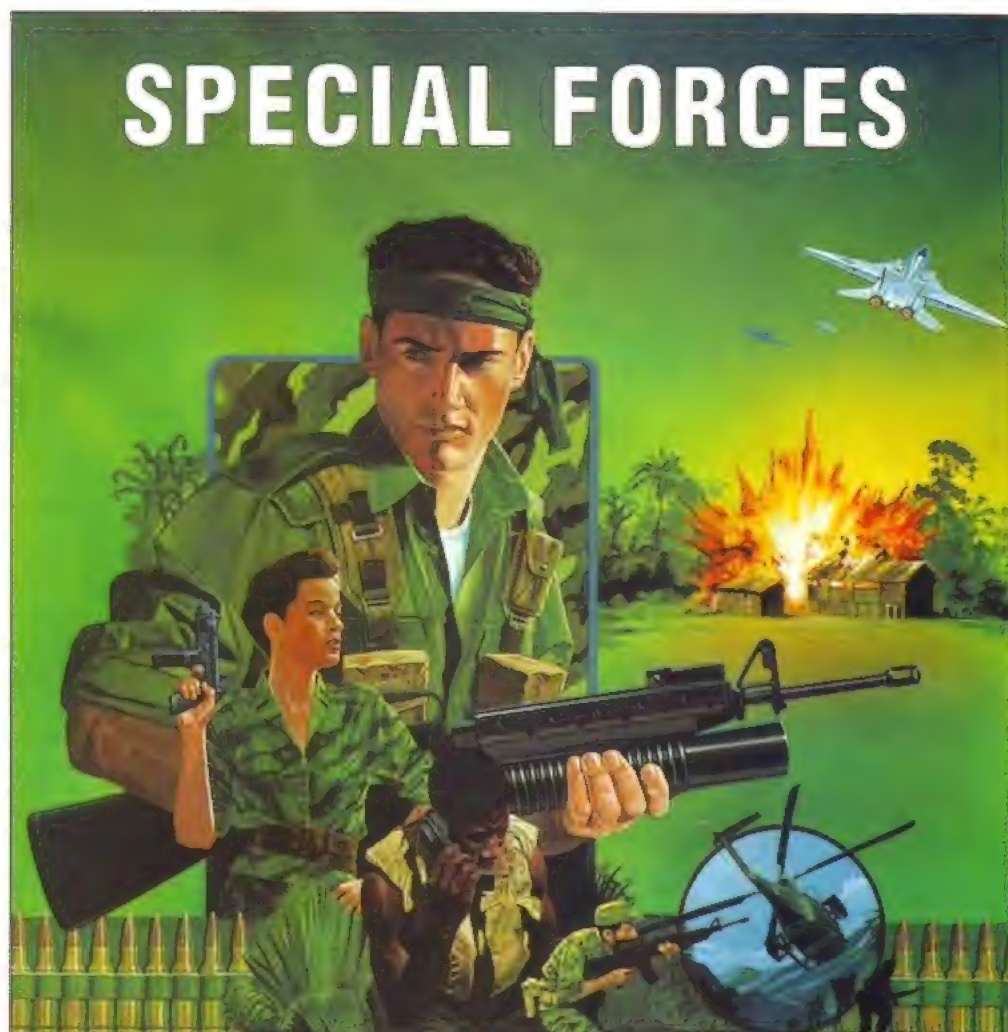
Amiga CDTV owners have one of the few kinds of CD players currently available that can display these discs. Titles released to date may be hard to get hold of in the UK - they all originate in the US and some are strictly back catalogue material over there - so you may have to order them if you want to check some out. All are labelled on the cover to mark them out as discs with graphics.

The newest thing in hi-fi audio is CD+MIDI disc. There is, as far as we are aware, currently only one experimental recording available in this format: *George Gershwin's Rhapsody in Blue*.

The CD+MIDI disc includes MIDI files as well as audio tracks and currently the Amiga CDTV is the only machine that can make full use of them. The standard MIDI data can be used to play your MIDI keyboard live in your home via the CDTV's MIDI interface.

It's an exciting concept that has all sorts of implications for the future: imagine if as well as listening to Madonna's latest album you could also download and play around with studio MIDI recordings of the songs. Much fun. The *Gershwin* disc is actually laid out as a kind of MIDI tutorial, with a narrator explaining some of the ideas before you listen to the MIDI-origi-

*Pick your most powerful
weapon...*



Your Brain!
*A strategic action-packed simulation
of elite rapid deployment missions.*

MICRO PROSETM
SIMULATION • SOFTWARE

Special Forces, for IBM PC compatibles, from the creators of **Airborne Ranger**. MicroProse Ltd. Unit 1,
Hampton Road Industrial Estate, Tetbury, Glos.
GL8 8DA. Tel: 0666 504 326

POWER

COMPUTING

Power Scanner v1.7



Features

100-400 DPI scanning resolutions
64 Greyscales
Thru'port for printer

Software

Full screen image editor
Interlace mode on/off
Edit true greyscale & colour images
Fully multi-tasking

Editing

Cut rectangle, cut lasso, crop, flip, rotate, scale, draw, lines, circles, boxes ellipses, freehand, zoom mode

Scanning

Unique 'True feel' real time scan mode - Know instantly if you are scanning the image too quickly
Automatic selection of 100-400 DPI
Produce true greyscale images



Actual Amiga Screen Shots

£99 inc. VAT **£239** inc. VAT
GREYSCALE COLOUR

PC880B Power Drive



£69.95

Viruses, diskswapping, clicking drives, disks which won't back up. Is there no end to the whingeing of the Amiga user?

At Power, we want to tell you just where you can stick your disks and worries. In fact we will show you. The slot in this picture belongs to our PC880B, the first intelligent disk drive. Insert a disk.

Now you can back up at lightning speeds using the inbuilt Blitz Amiga hardware*, with free software, (even if the disk is Atari or PC) and if your computer has a virus the PC880B will stop it being written to the bootblock of any of your drives, though you can still save files as normal.

When you do not want these features, switch them off and the PC880B will sit quietly, without clicking, pretending to be simply an extra drive.

The PC880B, the only drive to introduce Blitz Amiga, the Power anti-click device and to combat viruses, is only available direct from Power, priced at just **£69.95**

We have noticed how pricey unintelligent drives are. Perhaps, it's your turn to tell people where to stick it.

* Due to the precision nature of the Blitz copier high density disks may be required with some internal drives.

Dual Drive



Our latest dual drive uses the slimline, ultra low power NEC drive mechanism. This drive takes less than half the power of a normal floppy drive. The new dual drive includes all the features you would expect from a Power Computing Drive.

The NEC drive mechanism is able to access high density 1.44MB disks. While this may not be of use to you at the moment (the Amiga can only access 880K), watch this space for our new 'high density' Interface, on the market soon!

Whisper quiet operation

Blitz Copier built-in (switchable)

Virus blocker built-in (switchable)

Anti-click

PSU included

£125

New Products

released or available soon
1MB with thru'port
512K 16 chip RAM
8MB board with thru'port
Kickstart ROM Switch
1.44MB Interface
1.44MB Disk Drive

Name

Address

Postcode

Telephone No.

System owned

Description

Credit card No.

Expiry date

I enclose a cheque/postal order for £

Signature

Make cheques payable to Power Computing Ltd

Power Computing Ltd
Unit 8 Railton Road
Woburn Road Industrial Estate
Kempston Bedford MK42 7PN
Ring your credit card order through on **0234 843388** or fax your order on **0234 840234**

All prices include VAT, delivery and are subject to change. Specifications are subject to change without notice. Next day delivery £4.50 (U.K. mainland only). all trademarks acknowledged.

Power Computing SRL Italy, Via Delle Baiean. 90. 00121 Ostia Lido, Roma
Tel (06) 5046310 (2 lines) Fax 5046301

Power Computing France, 15 Bd Voltaire 75011, Paris France
Tel (1) 43570169 (6 lines) Fax (1) 43380435

Power Computing U.S.A., 21 South 5th Street, Suite 900, Philadelphia, PA 19106
Tel 215 922 0050 Fax 215 922 0116



**It'll save you
serious money**

Learn. Save.

You can do all of these things at the **Amiga Shopper Show**.

Dozens of software companies will be showing off their unmissable new products; it's your chance to try them out for yourself and discover which software will do what you need.

Then there are all the hardware manufacturers keen to demonstrate just how powerful it's possible to make an Amiga. Commodore itself will be there, displaying its latest range including the new A690 CD-ROM player.

For enthusiasts and beginners alike there will be a series of Amiga Shopper seminars and

question-and-answer sessions run by experts in every field. And there will be tutorial sessions on some of the leading products given by people who know the software backwards.



Games players will be treated to the very best in brand-new leisure software, courtesy of Amiga Power.

And of course there's the main attraction: the chance to buy software and hardware at incredible prices. Think of it – the biggest choice you're ever likely to see, and prices to match.

The Amiga Shopper Show is being held in the Wembley Exhibition Centre, London, from Friday 15th to Sunday 17th May. Doors open 9am



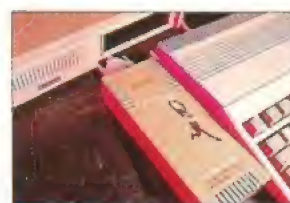
SOFTWARE

See the latest products from the likes of Digita, HiSoft and Precision. Test them out for your self, then pick the one you want...



GAMES

The Amiga Power games arcade will feature only the latest and best games – and you'll have the chance to play them yourself.



HARDWARE

Powerful hardware which will transform your Amiga will be on display and on sale, including devices from Supra, GVP, Gasteiner and more...

051-356 5085

Discover.



YOU CAN'T AFFORD TO MISS IT!

Book your tickets now and save even more money with our special early booking discount. Instead of £6 you pay £4.95 – or £2.95 for under 14s. Return the form straight way to guarantee your show ticket.

YES! I would like to order advance tickets to the Amiga Shopper Show and save £1.05 a ticket.

Please send me ____ adult tickets at the special discount price of £4.95.

Please send me ____ under-14 tickets at the special discount price of £2.95.

Total payment: £

Method of payment (please circle) Access/Mastercard Visa Cheque PO

Credit card number _____ Expiry date _____

Please make all cheques payable to AMIGA SHOPPER SHOW

Name

Address

Postcode AF04

**Send this form to: AMIGA SHOPPER SHOW, PO Box 2, Ellesmere Port, South Wirral, L65 3EA
This offer closes on May 8th.**

DATA PROTECTION ACT: The information on this form will be held on computer for the use of Future Publishing and its subcontractors

Credit card *hotline* –



Amiga Software --- Games marked (NOP) will not work on the AMIGA A500 PLUS.

Latest Amigas include Kickstart 2 and have 1 meg RAM built in. Games marked (NOP) are not compatible with the new A500 PLUS machines.

2 HOT 2 HANDLE	DEATH KNIGHTS	HOLLYWOOD COLLECTION	MOONSTONE	19.99	SKYFOX (NOP)	3.99
(OFF ROAD RACER, TOTAL	OF KRYNN (1 MEG) (SSI)	(ROBOCOP, GHOSTBUSTERS 2	MURDER	4.99	SMASH TV	16.99
REGAL, SHADOW WARRIOR)	DEFENDER OF THE CROWN	INDIANA JONES, BATMAN THE	MYSTICAL	2.99	SPACE HARRIER 2 (NOP)	3.99
3D CONSTRUCTION KIT	DEJA VU 2	MOVIE	NEBULUS	16.99	SPECIAL FORCES	22.49
3D POOL	DELUXE MUSIC CONSTR SET	HOME ACCOUNTS 2	NEVER MIND	7.99	SUPER HANG ON	7.99
A WHEEL DRIVE LOTUS ESPRIT	DELUXE PAINT 3	HOME ALONE	NITRO	6.99	SPEEDBALL	7.99
TURBO, TEAM SUZUKI, TOYOTA	(WITH ANIMATION)	HUGO'S HAWK	NUCLEAR WAR	6.99	SPEEDBALL 2	10.99
CELICA, COMBO RACER	DELUXE PAINT 4 (1 MEG)	HUNTER	OPERATION STEALTH	19.99	SPELLBOUND	5.99
4D SPORTS BOXING	(HAM MODE & ANIMATION)	HYPERIO	OPERATION WOLF	7.99	SPOT	13.49
4D SPORTS DRIVING	DELTEROS (NOP)	IAN BOTHAMS CRICKET	ORK	16.99	STEVE DAVIS SNOOKER	7.99
A10 TANK KILLER (1 MEG)	DEVAP V2 (ASSEMBLER)	IK	OUTRIN EUROPA (NOP)	16.99	SUPER CARS (GBH)	6.99
A320 AIR BUS	DISNEY ANIMATION STUDIO	INDIANA JONES ADVENTURE	PAPERBOY 2	16.99	SUPER CARS 2 (NOP)	16.49
ACTION MASTERS	DOUBLE DOUBLE BILL (NOP)	INDY HEAT	RAVIN (MASCROLLS)	7.99	SUPER LEAGUE MANAGER	13.99
A16 COMBAT PILOT, ITALY 1990	DOUBLE DRAGON 3	INFESTATION	RAVIN (MASCROLLS)	7.99	SUPER SPACE INVADERS	10.49
DOUBLE DRAGON 2, TURBO	DRAGON BREED	INTERCEPTER - RENEGADE	PEN PAL WORD PROCESSOR	34.99	SUPREMACY	19.49
OUTRUN, WELTRIS	DRAGON WARS	LEGION (SSI)	PGA TOUR GOLF	16.99	SUSPICIOUS CARGO	16.99
ADD DUNGEON MASTER	DRAGHINN	INTERNATIONAL	PGA TOUR GOLF COURSE DISK	16.99	SWITCHBLADE 2	16.99
ASSISTANT VOL 1 (SSI)	DYNASTY WARS (NOP)	CHAMPIONSHIP ATHLETICS	PHATES (NOP)	16.99	SWIV (NOP)	9.99
ADVANTAGE TENNIS	E-MOTION	INTERNATIONAL SPORTS	POOLS OF DARKNESS (1 MEG)	16.99	SWIND OF SOOAN	5.99
AFTERBURNER	ELF	INTERPHASE	POOLS OF DARKNESS (1 MEG)	16.99	TN T	7.99
AGONY	ELITE	IT CAME FROM	POPULOUS & SIM CITY	16.99	THE GODFATHER (1 MEG)	19.99
AIR SEA SUPREMACY	ELVIRA 2 - JAWS OF	THE DESERT (1 MEG)	POPULOUS 2	16.99	HYDRA, SKULL & CROSSBONE	16.49
(GUNSHIP, SILENT SERVICE, P47	CERBERUS (1 MEG)	JACK NICKLAUS GOLF	POWER UP	16.99	BADLANDS, STUN RUNNER	7.99
WINGS, CARRIER COMMAND)	EPIC	JAMES POND 2 - ROBOCOP	(CHASE H.Q. TURRICAN	8.99	HARD DRIVIN 2)	16.49
AIR SUPPORT	EXILE	JET SET WILLY	X-OUT, ALTERED BEAST	8.99	TEENAGE QUEEN	7.99
ALIEN BREED (1 MEG)	EYE OF THE BEHOLDER (1 MEG)	JIMMY WHITES SNOOKER	RAINBOW ISLANDS (NOP)	19.49	TERMINATOR 2	16.99
ALIEN STORM	F15 STRIKE EAGLE 2 (1 MEG)	JOKER (MASCROLLS)	POWERDRIFT (NOP)	11.99	TETRIS	13.99
AMNIO	F16 FALCON (NOP)	JOHNNY MADDON'S U.S. FOOTBALL	POWERMONGER	16.99	THE SIMPSONS	16.99
AMNIO (JAMES ORLATION)	F16 FALCON	JUDGE DREDD	POWERWORKS	16.99	THE GODFATHER (1 MEG)	19.99
AMOS 3D (NEEDS AMOS)	PLUS MISSIONS 162 (NOP)	KICK OFF - EXTRA TIME DISK	(MAXIPLAN PLUS SPREADSHEET	44.99	TIP OFF	7.99
AMOS COMP. 1 (NEEDS AMOS)	F19 STEALTH FIGHTER	KICK OFF 2 (1 MEG VERSION)	KIND WORDS 2 W/PROCESSOR	16.99	TOYOTA CELICA GT RALLY	16.49
ANOTHER WORLD	F20 RETALIATOR	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	TRIAD VOL 2	7.99
ARKANOID 2	FACE OFF (NOP)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	IMENACE, BAAL, TETRIS (NOP)	7.99
ARMALYTE	FERRARI FORMULA 1	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	TURBO CUP (NOP)	3.99
ARMOR-DEODON	FINAL BLOW (NOP)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	TURRICAN	6.99
AWESOME WITH SHIRT	FINAL FIGHT (NOP)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	TURTLES 2	19.49
BAAL	FINISH SAMURAI	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	TV SPORTS FOOTBALL (NOP)	7.99
BARBARIAN 2 (PSYGNOSIS)	FISH (MASCROLLS)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	TV SPORTS BASEBALL	19.49
BARD'S TRILOGY	FISTS OF FURY (DYNAMITE DUK	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	TV SPORTS BASKETBALL	11.99
BATTLE COMMAND	NINJA WARRIORS, SHINOBU	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	ULTIMA 5	11.49
BATTLE ISLE (NOP)	DOUBLE DRAGON 2 (NOP)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	ULTIMA 6 (1 MEG)	20.99
BATTLE OF BRITAIN	FLAMES OF FREEDOM	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	ULTIMATE RIDE	17.49
BATTLE SQUADRON	FLIGHT OF THE INTRUDER	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	UMS 2 (1 MEG)	16.49
BATTLECHESSE 2	FORGOTTEN WORLDS	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	UTORA	19.49
BETRAYAL	FORMULA 1 GRAND PRIX	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	VANGUARD OF EXCALIBUR	16.49
BIG RUN	FULL CONTACT	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	VIRTUAL REALITY VOL 1	7.99
BIRDS OF PREY (1 MEG)	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	(MIDWINTER, STUNT CAR RACER	16.99
BLACK CRYPST	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	INT SOCCER CHALL. CARRIER	16.99
BLOOD MONEY	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	COMMAND, STAPLOIDER 2 (NOP)	16.99
BLOODWITCH	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	VIRUS (NOP)	5.99
BLUE MAX	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	V2	13.99
BLUES BROTHERS	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	VROOM	13.99
BONANZA BROS	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	WAR ZONE	13.99
BREACH 2 (ENHANCED)	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	WARHEADS (1 MEG)	16.49
BROOKAN	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	WATERLOO	7.99
CADAVAN	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	WELTRIS	7.99
CADAVAN LEVELS, THE PAY OFF	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	WHEELS OF FIRE (NOP)	16.99
CAPTAIN PLANET	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	HARD DRIVIN, POWERDRIFT	7.99
CARRIER COMMAND	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	CHASE H.Q. TURBO OUTRUN)	7.99
CASTLES (1 MEG)	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	WILLY BEAMISH	22.99
CELTIC LEGENDS	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	WINGS (1 MEG)	11.49
CENTURION	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	WOLFCHOL	14.49
DEFENDER OF ROME	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	WONDERLAND (1 MEG)	19.49
CHAMPIONS	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	WORDWORTH WORD	79.99
MANCHESTER UTD. BOXING	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	PROCESSOR (1 MEG)	19.99
MANAGER, JAHANN SQUASH	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	WORLD CLASS BUBBER	19.99
CHAMPIONS OF KRYNN (1 MEG)	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	WORLD CUP COMPILATION	19.99
CHART ATTACK (LOTUS ESPRIT)	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	(TRACKSUIT MANAGER, INT	7.99
GHOLDS-GHOSTS, JAMES POND	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	SOCCER, KICK OFF)	7.99
VENUS THE FLY TRAP (NOP)	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	WWF WRESTLING	16.99
CHIPS CHALLENGE	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	KENOMORPH	6.99
CHRONOQUEST 2	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	KENON 2, MEGABLAST (NOP)	7.99
CHUCK ROCK	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99	ZAK MACKRAKEN	12.99
CHUCKIE EGG	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99		
CHUCKIE EGG 2	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99		
CLOUD KINGDOMS	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99		
COLOSSUS X CHESS	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99		
CORPORATION - MISSION	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99		
CORRUPTION (MASCROLLS)	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99		
COVERT ACTION	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99		
CRUISE FOR A CORPSE	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99		
CYBERON 3 (NOP)	RUN SCHOOL 2 (5-6)	KICK OFF 2 (1 MEG VERSION)	INFILE DATABASE	44.99		

COMPETITION PRO 5000 (COLOURS MAY VARY) **7.99**

POWERPLAY CRUISER **10.99**

COMPETITION PRO EXTRA JOYSTICK (CLEAR BASE) WITH AUTOFEED AND SLOW MOTION **9.99**

CHEETAH BUG **13.99**

QUICKJOY JET FIGHTER **12.99**

QUICKSHOT 111A TURBO 2 **9.99**

STARFIGHTER REMOTE WITH TWO INFRARED JOYPADS **29.99**

QUICKSHOT PYTHON **9.99**

QUICKSHOT 138F MAVERICK 1 **12.99**

QUICKJOY MEGASTAR **19.99**

QUICKJOY TOP STAR **19.99**

QUICKJOY SQUIK MOUSE **15.99**

FOUR PLAYER AMIGA/ATARI ST JOYSTICK ADAPTOR (FOR KICK OFF 2, LEATHERNECKS, GAUNTLET 2 & TV SPORTS BASKETBALL) ... **7.99**

ROBOSHIFT INTERFACE FOR AMIGA OR ST (PLUGS MOUSE AND JOYSTICK INTO ONE PORT) ... **14.99**

0279 600204



No obligation to buy
FREE CATALOGUE
0279 600204

Game Gear

99.99

FREE Mains Adaptor and FREE Special Reserve Membership

BASEBALL	24.99	LEADER BOARD	19.99	SPIDERMAN	24.99
COLUMNS	16.99	MIKEY MOUSE	19.99	SUPER KICK OFF	24.99
DONALD DUCK	19.99	NINJA GAIDEN	19.99	SUPER MONACO GP	16.99
DRAGON CRYSTAL	19.99	OUTRUN	19.99	WONDER BOY	16.99
FACTORY PANIC	19.99	PENSO	16.99	WOODY POP	16.99
FANTASY ZONE	24.99	PSYCHIC WORLD	16.99	GEAR TO GEAR CABLE	
FROGGER	16.99	PUT & PUTTER GOLF	16.99	(LINKS TWO GAME GEARS)	5.99
G-LOC	19.99	SHINOBI	19.99	MAINS ADAPTOR	12.99
GOLDEN AXE (AKA BATLER)	24.99	SOLITAIRE POKER	19.99	MASTER GEAR CONVERTER	
HALLEY WARS	24.99	SONIC THE HEDGEHOG	24.99	(ENABLES USE OF MASTER	
JOE MONTANA FOOTBALL	19.99	SPACE HARRIER	19.99	SYSTEM GAMES)	24.99



Atari Lynx 2

84.99

FREE Mains Adaptor

FREE Special Reserve Membership

APB	23.99	PACLAND	23.99
AWESOME GOLF	23.99	PAPERBOY	23.99
BASEBALL HEROES	23.99	PIRATES	23.99
BASKETBALL	23.99	QIX	23.99
BILL AND TEDS	23.99	RAMPAGE	23.99
EXCELLENT ADV	23.99	ROBO SQUASH	23.99
BLACK OUT	23.99	ROBOTRON 2084	23.99
CHECKERED FLAG	23.99	S.T.U.N. RUNNER	23.99
CHIPS CHALLENGE	21.99	SCRAPPYARD DOG	26.99
CRYSTAL MINES 2	23.99	SHANGHAI	23.99
DIRTY LARRY	23.99	SUMOWORLD	23.99
ELECTRO COP	23.99	STRIDER 2	23.99
GRID RUNNER	23.99	TOKI	23.99
HARD DRIVEN	23.99	TOURNAMENT	23.99
HOCKEY	23.99	CYBERBALL	23.99
HYDRA	23.99	TURBO SUB	26.99
HYPERDROME	23.99	ULTIMATE CHESS	27.99
ISLAND	23.99	VIKING CHILD	23.99
KLAX	23.99	WARBROS	23.99
LYNX CASINO	23.99	WORLD CUP SOCCER	23.99
MS PACMAN	23.99	XENOPHOBE	23.99
NFL SUPER BOWL	23.99	XYBOTS	23.99
NINJA GAIDEN	23.99	ZARLOS MERCENARY	23.99

CLEANING KIT FOR HAND-HELDS	8.99
COMLYNX MULTI-PLAYER CABLE FOR LYNX	8.99
CARRYBAG FOR LYNX	11.99
MAINS ADAPTOR	12.99
ATARI KIT CASE (SHOWN)	16.99



Gameboy, Tetris,

batteries, headphones

and two player lead

FREE Special

Reserve Membership

FREE Holsters, Belt and

cartridge pouch

69.99

Buy a Gameboy AND any game and we'll give you a FREE Gamelight as well.
(i.e. everything in the picture above for about £90) (Please list all FREE items on the order form)

ALLEYWAY	19.99	GREMLINS 2	24.49	SIMPSONS	24.49
BALLOON KID	19.99	HYPERLODE RUNNER	19.49	SKATE OR DIE	19.99
BATMAN	24.49	KICK OFF	23.99	SOLAR STRIKER	19.99
BOULDER DASH	24.49	KUNG FU MASTER	24.49	SPIDERMAN	19.99
BOXKLE	24.49	KWIRK	19.99	SUPER MARIO LAND	19.99
BUBBLE GHOST	19.99	MOTOR CROSS MANIACS	19.49	SUPER RC PRO-AM	24.49
BUGS BUNNY	19.99	NAVY SEALS	19.99	TEENAGE HERO TURTLES	24.49
BURAI FIGHTER DELUXE	19.99	NEMESIS	19.99	TENNIS	19.49
CASTLEVANIA	24.49	NINTENDO WORLD CUP	19.99	WIZARDS AND WARRIORS	19.99
DOUBLE DRAGON	19.99	OTHELLO	19.99	WWF SUPERSTARS	24.49
DR. MARIO	19.99	PAPERBOY	19.99	AMPLIFIER (STEREO)	13.99
QUICK TALES	24.49	PRINCESS BLOBBETTE	24.49	GAMELIGHT	9.99
DYNA BLASTER	24.49	QIX	19.99	MAGNIFIER	9.99
FORMULA 1 RACE (WITH		R-TYPE	24.49	MAINS ADAPTOR	12.99
FOUR PLAYER ADAPTOR)	27.99	RADAR MISSION	19.99	NUBY ATTACHE CASE	16.99
FORTIFIED ZONE	19.99	REVENGE OF THE GATOR	19.99	NUBY CARTRIDGE CASE	9.99
GARGOYLES QUEST	19.99	ROBOCOP	24.49	HOLSTERS, BELT AND	
GHOSTBUSTERS 2	19.99	SAMURAI ADVENTURE	24.49	CARTRIDGE HOLDER	9.99
GOLF	19.49	SIDE POCKET	19.99		



£30 OFF 229.99

Amiga A500
PLUS 1 Meg
Cartoon
Pack

Philips CM8833
Mk 2 Monitor

FREE MEMBERSHIP FREE MONITOR LEAD

1 MEG RAM, LEMMINGS, THE SIMPSONS,
CAPTAIN PLANET, DELUXE PAINT 3
FREE SPECIAL RESERVE MEMBERSHIP

369.99



GOLDSTAR
3.5" DS/DD
DISK with LABEL
69p each or

24.99 for 50



CITIZEN 120D+

80 COLUMN, 9 PIN
144 CPS/25 NLO
24 MTH WARRANTY
FREE MEMBERSHIP
FREE PRINTER LEAD

134.99

CITIZEN SWIFT 9 PRINTER, 80 COLUMN,
9 PIN, 213 CPS, 24 MTH WARRANTY,
FREE COLOUR KIT, FREE PRINTER LEAD
FREE SPECIAL RESERVE MEMBERSHIP199.99

CITIZEN 224 COLOUR PRINTER, 80 COLUMN,
24 PIN, 192CPS/64LQ, 24 MTH WARRANTY,
FREE MEMBERSHIP, FREE PRINTER LEAD249.99
AUTO SHEET FEEDER FOR CITIZEN 22479.99

RIBBON (COLOUR) FOR SWIFT 9 OR 22415.99
RIBBON (BLACK) FOR SWIFT 2248.99
RIBBON (BLACK) FOR SWIFT 9 OR 120D+6.99

A590 20 MEG HARD DISK FOR AMIGA (AUTOBOOT WITH
KICKSTART, SOCKETS FOR 2 MEG OF RAM, SCSI
INTERFACE FOR PERIPHERALS CONNECTION)284.99

AMIGA TO SCART LEAD (GIVES MONITOR QUALITY ON
TV WITH SCART/RGB INPUT)9.99
CLEANING KIT FOR COMPUTERS (INCLUDES VACUUM)19.99



A501 (WITH BART) AMIGA 512K RAM
EXPANSION TO 1 MEG
GENUINE ITEM WITH CLOCK
FREE BART SIMPSON GAME49.99

3.5" DS DD GOLDSTAR DISK WITH LABEL	69p each
PACK OF 50 GOLDSTAR 3.5" DS/DD DISK WITH LABELS	24.99
3.5" DISK HEAD CLEANER	4.99
DISK BOX 3.5" (10 CAPACITY)	1.99
DISK BOX 3.5" (100) DIVIDERS, LOCKABLE	9.99
DISK BOX 3.5" (40) LOCKABLE, DIVIDERS	7.99
DISK BOX 3.5" (80) LOCKABLE, DIVIDERS	8.99

DELUXE DISK BOX 3.5" (80), LOCKABLE,
DIVIDERS

10.99



ROCTEC 3.5"
EXTERNAL AMIGA
DISK DRIVE
54.99

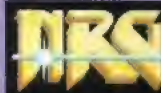
ROCTEC AMIGA 512K RAM EXPANSION WITH CLOCK	29.99
DUST COVER FOR 80 COLUMN PRINTER (CLEAR PVC)	5.99
DUST COVER FOR AMIGA (CLEAR PVC)	4.99
DUST COVER FOR MONITOR (CLEAR PVC)	5.49
AMIGA SOUND ENHANCER	34.99
TECNOPLUS MIDI CONNECTOR AND CABLES WITH MUSIC X JUNIOR	39.99

COMMODORE CDTV, REMOTE CONTROL, WELCOME
DISK, HUTCHINSONS ENCYCLOPEDIA AND LEMMINGS
FREE MEMBERSHIP

469.99

FULL RANGE CD'S FOR CDTV
IN OUR CATALOGUE

£30 OFF



NRG colour magazine
Bi-monthly to members.
Don't miss it.

Biggest and Best.

Huge catalogue. Huge discounts.
Huge stocks. Huge staff.
Huge membership.

Biggest Value, Best Service

No obligation to buy

Free Colour Catalogue

Just phone our sales team on

0279 600204

Open to 8pm Weekdays
and to 5pm Weekends

ANNUAL MEMBERSHIP

UK £6.00 EEC £8.00 WORLD £10.00

We only supply members but you can order as you join.

Win £200 to spend at
Special Reserve

Members only. See catalogue for details.

STOP PRESS

From April '92 our colour magazine
NRG will double in size and will
include £30.00 worth of money off
coupons in every issue.

So you can save up to a further
£180 per year off our already
incredible prices.

NRG is included in the price of membership
JOIN NOW for best ever VALUE

INEVITABLY, SOME GAMES SHOWN
MAY NOT YET BE RELEASED.

Inter-Mediate Ltd. Reg. Office: 2 South Block, The Maltings,
Sawbridgeworth, Herts CM21 9PG.

WE ONLY SUPPLY MEMBERS BUT YOU CAN ORDER AS YOU JOIN
THERE IS A SURCHARGE OF 50p PER GAME ON TELEPHONED ORDERS
(PLEASE PRINT IN BLOCK CAPITALS)

AMFORM 19

Name _____

Address _____

Postcode _____

Telephone _____ Machine type _____

Enter membership number (if applicable) or
Membership fee £6 UK, £8 EEC, £10 World

item _____

item _____

item _____

item _____

ALL PRICES INCLUDE UK POSTAGE & VAT

Cheque/P.O./Access/Mastercard/Switch/Visa

Credit card expiry date _____ Switch Issue Number _____

Cheques payable to: SPECIAL RESERVE

P.O. BOX 847, HARLOW, CM21 9PH

Overseas Orders: EEC software orders - no extra charge
World software orders please add £1.00 per item.
Non-software items please add 10% EEC or 25% World.
Overseas orders must be paid by credit card.

PACIFIC ISLANDS - THE SEQUEL TO TEAM YANKEE

Pacific Islands

The year is 1995 ...

Disaffected Renegade Soviet communists, backed by North Korea, have invaded the Pacific atoll of Yama Yama. Your tank platoon, returning from the Persian Gulf, is the closest American unit to the scene. The burden has fallen on you to liberate this vital secret communications out-post.

Pacific Islands is a hectic race against time.

Unrivalled 3D

• Fast action, 3D real time tank simulation using Empire's unique bit-mapped technology.

• Watch buildings explode as you make a direct strike.

Battle Selection

• All five islands on the Yama Yama atoll must be re-taken.

• You must decide how to attack each island.

• Full mission briefings before each battle.

Tank Battles

• Test your steel in over thirty nerve-quenching battles.

• Liberate villages, destroy ammunition dumps, disrupt jungle supply lines, defend bridges.

Military Hardware

• T72s, BMPs, Hughes 500 Helicopters and SA9 Gaskins.

• \$50,000,000 of equipment under your control.

• Infra-red imaging, laser range-finding, TOW missiles and DPICM artillery back-up.

Fund your Campaign

• Financial reward for destroying enemy installations.

• Fines imposed for collateral damage.

Communications Facilities

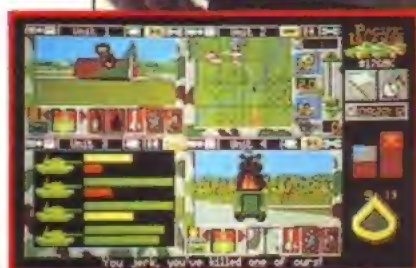
• Satellite dishes, radar towers, radio aerials.

• Spot opposition 'scout' vehicles before they give your position away.

Unique Control

• Scrolling battle maps and updated status reports.

• Call up artillery and lay minefields.

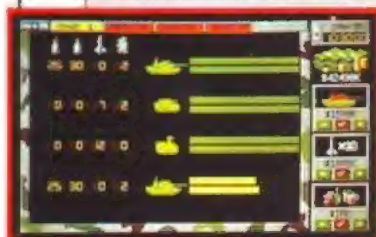


- Simultaneous command of four tank units.
- View the battlefield from four perspectives.
- Control 16 different vehicles at once through an elegant yet simple control system.

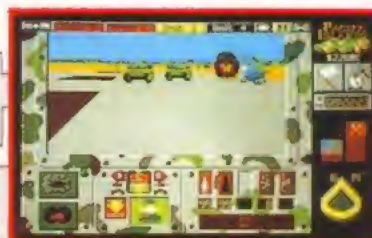


- You must destroy all communications facilities as swiftly as possible. The longer you take, the more information the enemy have about your position and strength.

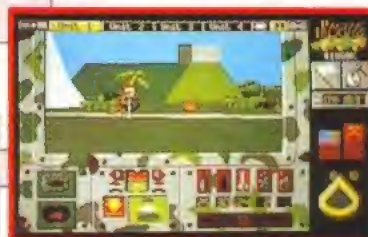
- Cope with multiple objectives: can you destroy an airfield, support a convoy, and make a reconnaissance within 40 minutes?



- Purchase all your equipment.
- Is there enough time and money to repair your damaged tanks and give the crews some rest?



- Eight different types of fighting vehicles modelled so that you even see the rivets!
- M1 Abrams, M2 Bradleys, M113 APCs, ITVs.



SIMULATION

THE SCREENSHOTS ARE ONLY INTENDED TO BE ILLUSTRATIONS OF THE GAME PLAY AND NOT THE SCREEN GRAPHS WHICH VARY CONSIDERABLY BETWEEN DIFFERENT FORMATS IN QUALITY AND APPEARANCE AND ARE SUBJECT TO THE COMPUTER SPECIFICATIONS. SOME FEATURES MAY ALSO NOT BE AVAILABLE DEPENDING UPON THE COMPUTER SPECIFICATIONS.
© 1991 EMPIRE PRESS

4 THE STANNETTS
LAINDON NORTH TRADE CENTRE
BASILDON ESSEX SS15 6DJ
TEL No (0268) 541212
FAX No (0268) 541125

AVAILABLE FOR IBM PC & COMPATIBLES, AMIGA AND ST

THE AMIGA IS just made for animation. Like Terminators and killing, animation is what the Amiga does: it's all the Amiga does. It's not just that the Amiga makes it easy and cheap for creating colourful moving graphics and combining it with sampled sound effects and music. Nope. It goes deeper than that.

The Amiga's main purpose in life is what it's putting on the screen and pushing out of the speakers. Like all computers, the Amiga's whole structure is based around that monitor: a screen across which images flicker at the rate of one every twenty-fifth of a second, even if nothing on the screen appears to be moving.

Monitors are like TV, and TV is like film: moving pictures which depend for their illusion of fluidity on the fact that once an image is changing faster than about 10 times a second, the human eye stops noticing the individual changes and sees only movement...

The first 'movie' is believed to have been made by lightbulb inventor Thomas Edison in 1884, but the Victorians had already come up with the idea of the moving cartoon image in the form of the kineitoscope, a rotating wheel with slots through which you could glimpse a primitive animation. Sooner or later, someone was bound to transfer the moving drawing to movie film and invent the animated cartoon.

The simplest form of animation – and, yes, it is safe to try this at home, kids! – is the flip-book. Get a small note-book, then draw a series of pictures breaking a movement down into lots of small steps, with one picture on each page. Then flip through it rapidly with your thumb. No-one knows how old the idea is, but it worked well enough to keep me entertained at the age of seven – and probably Walt Disney, too – and the basic technique of animation is called 'page-flipping' to this day.

The first animated movie appeared in 1924 and starred Felix the Cat, and the basic animation technique has hardly changed. Film runs at 24 frames per second, each frame on a film being a separate picture, like a huge long string of 35mm slide transparencies. Once science had discovered with live actors that real movement could be broken down into 24 steps per second, which when replayed would look very real, there was no reason not to turn the whole thing on its head: draw 24 images per second which change slightly and then you've got the illusion of movement.

Since those days, there have only been two big changes. Felix only appeared in black-and-white, as did his famous rival Mickey Mouse a few years later: but when Disney's 1928 *Snow White* animation went colour, it brought with it a new set of techniques. And as the pace of Twentieth Century technology speeded up, a thing called television appeared, bringing a newer, faster 25-frames-per-second standard.

So think about it. You've got a screen sat there in front of you jittering away at 25 frames per second: it wants to move! You've almost certainly got a copy of Deluxe Paint III, probably the most widely-owned program on any home computer in the UK and the best animation tool for beginners that exists. You've got no real excuse – get into motion!

Th-th-th- That's not all, Folks!

Animation is one of the best things you can do with your computer. It can develop into an absorbing and satisfying obsession, it makes the best use of all the many things the Amiga is best at: and yet it's fun, it's simple and it's cheap to get started with. **Damien Noonan** explains the ideas and the techniques behind the ideal use for your Amiga...



Years ago you would only expect big animation companies like Warner Bros to produce classic cartoons with characters like Messrs Fudd, Bunny and Duck. But that was then and this is now, because with your Amiga and a paint package, like *Deluxe Paint*, you can produce great animations on a par with ole Bugs himself.

ERIC SCHWARTZ – SOMETHING TO AIM AT!

Although Eric Schwartz, an American art student living in Ohio, is only 20, he's already a world-famous Amiga animator. His animations are technically quite simple, but what he does very well is create lifelike movement, expressions and character. Because the Amiga makes the technical aspects pretty straightforward, you too could be producing cartoons like Eric's with just a little practice.



Fans of the PD pages of *Amiga Format* will be no stranger to Eric Schwartz's burlesque Willy Coyote.



Schwartz uses Disney's *Animation Studio* and *MovieSetter* to create the likes of *At the Movies 2*.

Where to start: the animator's techniques...

Here's an in-depth look at how traditional animation works, which will also give you an idea of how Amiga programs have adapted these techniques.

TRADITIONAL ANIMATION

The traditional way of animating full-colour cartoons like a Walt Disney movie or a Looney Toons short is called 'cel animation'. It's named after the see-through plastic film or 'cel' on which each character is painted.

A character like Bugs Bunny will start life as a 'character sheet', a big piece of paper full of sketches by one of the top animators, showing the character in different poses and expressions, with notes on how to draw him.

Once the story is written and the sound is organised (see Page 38) the real work starts. The animators work on thin paper called 'onion skin' so that they can see their picture for the previous frame while drawing the latest one.

The most important animators will only draw 'key frames', the important poses at the start and end of a movement. Then the rest of the movement between the two key frames is filled in by a junior animator who is known as an 'in-betweener'.

When all the frames for a sequence are ready, they are taken away and filmed. At this stage the frames are all rough black-and-white line drawings, so this stage is called 'line-testing'. It's there to make sure everything is moving properly and looks right. Similarly, rough sketches of the background are included in the line test to make sure the composition of each frame is right.

If all is well, the animators' sketches are taken to the Ink and Paint department. Here each character frame is traced onto cel, the colour filled in and the final crisp, colourful cartoon image appears. Meanwhile, backgrounds are painted up by a specialised artist. These don't need to be on cel and, because they don't have to change every frame, they can usually have a lot more work put in.

Then the sequence is ready to be filmed. The movie camera is attached to a stand so it points downwards. Pegs are in place and holes are punched in cels and backgrounds so they can be carefully positioned on the pegs and held in place.

Each frame will have a background, plus any number of layers of cels on top: cels for the main characters, for other characters, for moving 'special effects' such as rain, smoke or explosions. The cels are referred to by level numbers: level one is the layer next to the background.

When they are all in place, the frame can be shot by the camera and it's time to take all the cels off and build the next frame. And, of course, if a character doesn't move his cel can be left in place for the next frame.

ADD A DIGITISER AND GET SOME NEW OPTIONS!

A video digitiser is basically a box that plugs into your Amiga and can convert the signal from a video camera into an IFF picture. And this can give you all sorts of endless possibilities...

INK-ON-PAPER ANIMATION AND LINE-TESTING



Here's part of a hand-drawn animation that's about to be DPainted.

There's no reason why you shouldn't draw your animation on paper and then digitise it in frame by frame. You can then animate it and touch it up in *Deluxe Paint*. Professional studios use this method for 'line-testing', checking a rough version to see how it animates. There's also a new animation package just out called *Take 2* that uses this method: read the review on Page 120. Effectively, what you're doing is using the Amiga instead of a stop-frame video camera.

CLAYMATION AND MODELS



You could try the Aardman method - Claymation: it's very controllable.

The technique of 'Claymation' used so successfully by *Trapdoor* and Aardman's *Creature Comforts* is very simple and you can do it on your Amiga. All they do is build plasticine models and move them slightly from frame to frame. They use either a movie camera or a stop-frame video recorder: an expensive kind of VCR that can record one frame at a time. You can use your Amiga and digitiser to grab one frame at a time instead.

BACKGROUNDS WITH VISTA!

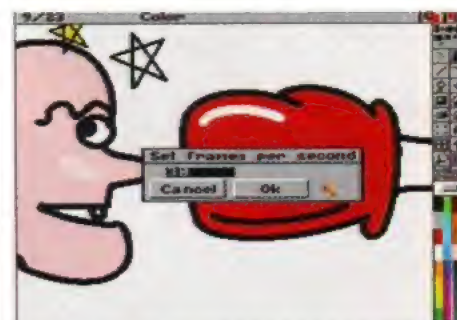
A scene generator such as *Vista*, this month's almost-free Amiga Format Collection program, makes an excellent way of getting backgrounds for animations. It's particularly good for stuff like aeroplane animations, where you would particularly want an aerial view of some country, but there are many other possibilities. Imagine if you created a river, but coloured it grey: you'd have a perfect road for a driving anim...



You need a dramatic background for your animation? Then look no further than the *Vista* disk on the cover of this very magazine.

ANIMATION TECHNIQUES ON THE AMIGA

There are a couple of tricks of the trade that you are bound to find useful in your own animations: here's a brief run-through.



By changing the frame rate in *Deluxe Paint* can drastically change the way an animation looks.

One very important choice that you have to make is how fast you want your frame rate to be. Movie film moves at 24 frames every second, television pictures change at the rate of 25 frames a second, so these are the two standards to work to.

Using the 'set rate' menu option in *Deluxe Paint* you can choose either of these or you can even go much quicker, but in practice you'll find that you'll actually want to go much slower. Animation with one new picture every frame (animation 'in ones', or full animation) is actually much less common nowadays than animation that holds

each drawing for two frames (animation 'in twos', or partial animation).

This means that if you set the frame rate to 12 per second, you're creating animations that are just as effective as the professional stuff: and you can actually get away with as little as eight frames per second.

Models are also useful for animation, either just as raw material for a more realistic picture or in their own right. The only thing that is not really considered to be animation at all is puppets, because they were moving in the first place (animation is considered to be something that moves on film, but not in real life).

CUT-OUTS, COLLAGES AND PHOTO-MONTAGES



The *Deluxe Paint IV* animated character has a brush with danger. Ha not very ha.

A digitiser is an excellent way of getting raw material. You can digitise pictures from magazines, books or even the telly (if your digitiser works in 'real time').

A good example is the demo animation that comes with *Deluxe Paint IV*. You could also imitate the Monty Python style of cut-outs, or at a simpler level do the kind of stuff you see on Rolf Harris's *Cartoon Time*, with simple paper shapes making up your animation (a good one for younger kids, parents!)

LIVE ACTION AND ROTOSCOPING



Yes this piece of animation in *Prince of Persia* was based on real life movements.

If you use a digitiser such as Rombo's VIDI-Amiga, you can grab a series of frames from live action. This has much potential: you could combine real people into an animation (we knocked up a good imitation of the *GamesMaster* from the TV programme of the same

name) or you can use it for what's known as 'rotoscoping'.

Rotoscoping means drawing an animation over live action, so that it looks like a cartoon but moves more realistically. It was used notably in the cartoon film *Lord of the Rings* and was well employed in the game *Prince of Persia*, where the game's designer took pictures of his brother jumping around the flat and drew the animation for the main character based on that!

CREDIT WHERE IT'S DUE

We are indebted to Stan Hayward, script writer for the Henry's Cat series and an Amiga animator himself, for his many ideas on character animation. Stan is also preparing a CDTV disc on animation, in co-operation with Ted Rockley, whom we thank for the Walk Cycle on Page 36. The PD disks for the Walker demo, Eric Schwartz's animations and Tobias Richter's Landing demo can be obtained from most good PD libraries, but ours were supplied by NBS (09383 529594). They're well worth a look if you haven't seen them.



This rather complex looking effect, which is achieved in *Disney Animation Studio*, is termed the 'onion skin'. It allows you to see what previous movements your character has made.

Another handy thing to use, if you're drawing everything, on-screen is the 'onion-skin' effect. This is a way of imitating the way you can see your previous drawing through thin tracing paper while you're working on a new frame.

Onion-skin is automatic in the *Disney Animation Studio*, and it's very useful. In *Deluxe Paint IV* there's a feature called light table, which works in a very similar way (it's named after tables of glass with a light underneath that animators use to make their paper more see-through). But you can also make your own

onion-skin effect in *Deluxe Paint III* if you want. Here's how you do it...

When you've finished drawing your current frame, copy it to the next frame and move on. On the new frame, use the stencil and draw a solid block of pale grey over the screen so that you get a shadowy version of the image from the last frame. Now draw your new frame and the shadow acts as an excellent guide. Once you've finished the new frame you can stencil everything except the pale grey and paint out the shadow with your background colour. Clever but simple, eh?

Amiga animation programs

There are really only three animation packages that are used on the Amiga, and you've probably got one of them already! Here's how they compare...



If you bought your Amiga in a pack you've probably got a version of *DPaint*.

If you want to get into animation, the first point of call is *Deluxe Paint III* or *IV*, phone Electronic Arts (0753 49442) if you've an older version and want an upgrade). Most people will have a copy of one of these programs: if you've never used it for animation, shame on you!

The essence of the *Deluxe Paint* animation system is that you set a number of frames and each one can be displayed on screen in turn for you to draw in your animation. Important shortcuts to know are the number keys 1 and 2 for previous frame and next frame, and number key 4 for play.

Deluxe Paint imitates cel animation with the unique and original idea of the 'animbrush'. It's the same as a normal brush (you can pick up a part of the screen with a transparent background and stamp it down anywhere) but an animbrush changes each frame: so it makes it easy to pick up a series of pictures of, say, a character walking and stamp them down in order over a bunch of frames with a ready-drawn background. It's both flexible and clever, and you should go and learn how to use it right now.

Another important Amiga animation package is *MovieSetter* (around £50 Gold Disk via Silica 081-309 1111). It's old and it's always been ignored, but it's the package that Eric Schwartz has used for many of his most popular Amiga cartoons.

MovieSetter also aims to give you an Amiga version of cel animation. Its way of working is actually very clever and simple: you use separate program to draw up or arrange the frames for your characters, then you use a kind of movie construction kit to place the cels over the backgrounds. A nice touch is that it's easy to create a scrolling background: and it's also easy to add sound effects in *MovieSetter*.



The wonderful world of Disney is now at your fingertips.

Finally there's the *Disney Animation Studio* (£79 Disney via Silica 081-309 1111). This is designed purely and exclusively for doing line-drawn character animations, because it sticks rigidly to traditional Disney cel animation techniques.

It breaks down the animation process into three. You start with the Pencil Test (US term for line test) where you sketch up and animate your character as a line drawing. Then you move to the Exposure sheet, where you can decide how long each frame is displayed for, you can add sound effects and music, and you can repeat, cut or move bits of the animation. Then finally you move to Ink and Paint, where you colour in the finished animation.

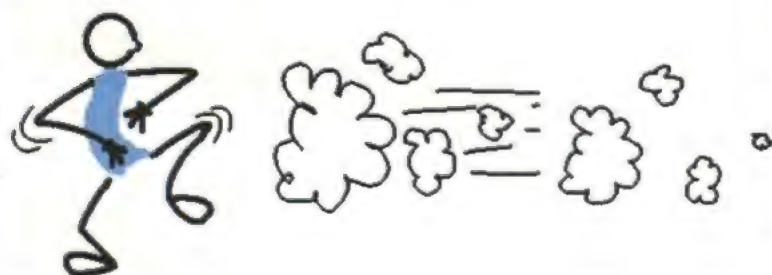
Disney is fun and effective, but it's really only suited for character animation: it's a lot less powerful than *Deluxe Paint*. One advantage it has is that every frame of an animation can use a completely different palette of colours. It also saves animations in its own file format, which can be a pain: most programs use the standard ANIM file format pioneered by *DPaint*.

The basics of character animation

The most challenging and enjoyable area of animating is character animation, which basically covers anything in which an object, creature or person is animated to behave in a human-like way. Whether it's an Eric Schwartz aeroplane, a wily coyote or a postbox that comes to life doesn't really matter: there are a few basic techniques of exaggeration that you can use to make it seem more cartoony and lifelike.

ANTICIPATION

Nobody actually does this – or do they? It's the way a cartoon character will lift his elbows and a knee and pose before zipping off: you know it? A movement can have much more impact if you more or less warn people in advance that it is about to happen. Anticipation can also be a look or an expression.



ANTICIPATION: this is one of the most useful cartoon techniques. Prepare a character for motion.

THE ANTICIPATION CHEAT: you can actually skip the 'vanishing' movement if you've used a good anticipate.

The anticipation cheat: If you get a character to strike an anticipation pose, you can then vanish him with a little 'he's gone' trick like a puff of smoke. This gives the impression of rapid movement even if you haven't drawn it. A good sound effect helps immensely.

INERTIA (STRETCH) AND MOMENTUM (SQUASH)

When something starts moving, it has to overcome its inertia – its in-built tendency to want to stay still. If you're aware of this, it helps in animation of realistic things, like a spacecraft taking off: you'll want to take a few frames of acceleration as something gradually builds up to speed, not have it suddenly zip off at full pelt, so you'll want it to move very little at the start of a movement and much further as the movement goes on.

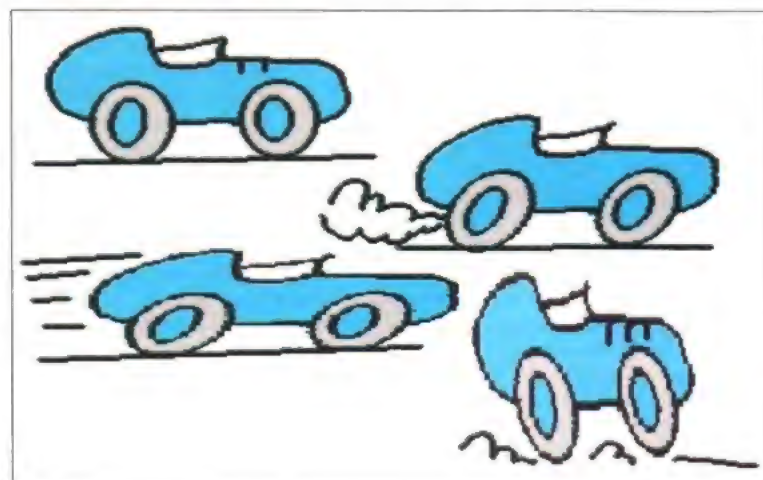
In character animation, this idea is heavily exaggerated: a character might skid and run on the spot, unable to get moving against his own weight: or you could use the 'pantomime horse' effect of the front starting off and the back end being left behind.

Equally, once something is moving it has a natural tendency not to want to stop. This can be used by making a character skid or concertina up when he, she or it is trying to come to a halt.

INERTIA AND MOMENTUM: when the car is at rest, its proportions are normal. As an anticipation action it squashes slightly, then as it tears away it stretches. When it has to screech to a halt it squashes up again.



And here's how to do it well! Eric Schwartz's characters really do come alive: it's a combination of simple ideas you can pick up here plus a large degree of inspiration!



Ian Botham's

CRICKET

AVAILABLE
FOR
ATARI ST
AMIGA
& PC

Test your skills in this superb, action-packed cricket simulation designed by cricket enthusiasts, for cricket enthusiasts.

- Play a one-day Test Match.
Choose the length of game.
 - Two player mode or challenge the computer.
 - Television camera views with action replay.
 - Superb graphics and sound.
 - Contend with the effects of wind direction and temperature.
 - Features all the current international teams
- No two matches ever the same!



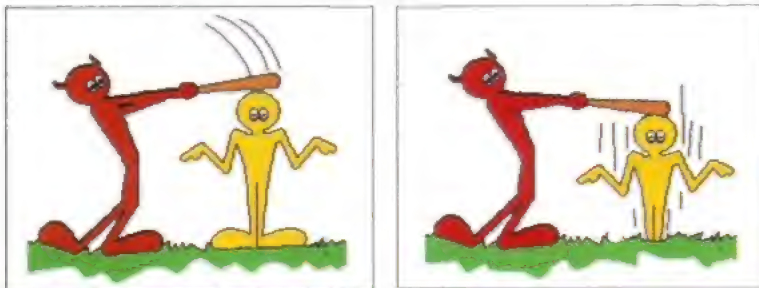
from

Celebrity
SOFTWARE

Celebrity Software International Ltd
Lonsdale House, Woodland Park
Colwyn Bay, LL29 7HA
Tel: 0492 531830
Fax: 0492 533612

CONSTITUTION

One of the key things to consider is what your character is made of, and let that determine how he behaves. It doesn't much matter whether this is consistent from scene to scene, but at any particular moment what happens will depend on what a character is made of.



What happens when a character gets hit on the head, if he's made of wood...
...but it might be very different if he were made of metal, rubber, concrete and so on.
Think of examples: Tom and Jerry is good research!

WEIGHT

Particularly with inanimate objects that your character interacts with, it's very important to consider how much anything weighs, and do everything you can to bring that over. You can then use the inertia/momentum rules appropriately...

THE DISAPPEARING TRICK

If you want something to appear insubstantial, like smoke or a water drop, the best way is to make it shrink and vanish over a couple of frames.



One of the most important techniques to master is creating a realistic walking motion. It's one of many actions that can be done as a repeated 'cycle' of frames. If you use this 'walk cycle' as a template, you should find this simple enough to do.

THE EXAGGERATION RULE...

"Take it as far as you think you safely can: and then double it."

The classic example of cartooning is, for many an expert, the great Tex Avery's Looney Toons, where almost anything could be dramatically over-exaggerated. The development of the bulging eyes is a classic example.

THE WALK CYCLE

Many actions can be broken down into a simple set that are repeated over and over again. This is known as a 'cycle'. The classic example is the 'walk cycle', where the movements of the legs and hands as well as the up-and-down motion of the body are pretty crucial. If you know how to do a decent walk cycle you're well ahead, so here's a basic one for you to follow...

THE CLOSE-UP CHEAT

You can show a character in motion without having to draw a lot of the tricky bits if you close in on, say, head and shoulders. You can also show a character's reaction to an event taking place off-screen, especially if you use a good sound-effect, without having to draw it.

ZOOMING

It should be easy enough for you to zoom in and zoom out of a scene over a few frames, and it's a good way of moving to use the close-up cheat.

PANNING

Moving the background across the screen will make it look as if the camera is panning across. If you want, you could put a character doing a walk cycle on top of a moving background: this sort of thing is easy with *Deluxe Paint* animbrushes. Try panning so that the camera 'catches up' a moving figure.

IDEAS: THINGS THAT ONLY A COMPUTER CAN DO...

The computer hasn't really made an enormous impact on the world of animation. There's only one technique that's really distinctive and original, and that's the use of 3D modelling and ray-tracing packages.

The best-known animator using these techniques is John Lassiter, creator of the *Angeloise Lamp* animation and the famous *Tin Toy*. While reasonably witty, these are still very much seen by animation experts as being clever for the way they're done, but not really terribly interesting for any other reason.

Computer animation of this sort tends now to be used mainly in advertising – the Smarties and Fox's Classic biscuits adverts are good examples – but because it's an exclusively computer-originated look, it's very popular on the Amiga and in fact, some of the best examples of pure computer animation are Amiga demos.

Amiga 3D animation packages work by 'modelling' objects as sets of 3D coordinates and then 'rendering' them to give a pseudo-realistic look to the

surfaces. While the process is very clever, using complex equations to judge how light bounces off objects giving supposedly realistic highlights and shadows, 3D ray-traced animations are still most commonly identified by the artificiality of their simple shapes and shiny, colourful objects.

All the same, 3D animation packages tend to make life very easy for the animator: most will let you design an object and then tell it where to move over a number of frames, leaving the computer to do the hard work of actually drawing all those frames.

In professional use, 3D computer animation is mostly used as a tool for special effects in live-action movies: and on the Amiga, 3D computer animation is used most effectively to imitate that kind of special effects, particularly in some excellent science fiction and space demos, such as the work of arch-*Star Trek* fan, the German Tobias Richter. You can get many of Tobias's demos through PD libraries.



Computer animation has yet to overcome the stigma that it's all flash technique and no substance. Perhaps the most widely-accepted computer animator is John Lassiter, whose famous *Tin Toy* animation has just been honoured by an Amiga imitator.



The *Walker Demo II* is one of the best examples of computer animation.

Similarly, Tobias Richter's space epics bring real quality to the Amiga.

X-BACKUP PROFESSIONAL

**The essential package for all your BACK-UP needs!
Now includes HARD DISK BACKUP & FILE BACKUP.**



★The most comprehensive back up utility ★includes floppy disk backup, hard disk backup and file backup. ★Also backs up ST, IBM etc disks. ★Checks disks for errors. ★Optimises data for faster loading. ★Fast formatting. ★Copies up to 4 disks in 48 seconds. ★Full update service available.

AVAILABLE NOW ONLY £39.99 PLUS £1.00 POSTAGE AND PACKING

1988 COPYRIGHT ACT. Siren Software neither condones nor authorises the use of its software for the reproduction of copyrighted software. The facilities offered by X-BACKUP Pro are intended to back up users own software, PD Software & other such programs where permission had been given. It is illegal to make copies of copyrighted material without the permission of the copyright holder.

X-BACKUP PROFESSIONAL IS THE BEST, GUARANTEED
OUR GUARANTEE:- At time of purchase, if you can find a program that is more powerful than X-BACKUP PRO we will refund your money.

Ordering X-BACKUP PROFESSIONAL

Access/Visa orders can be placed by telephoning 061 724 7572. For mail order, fill in the order form and send with a cheque or postal order to:-
Siren Software, Wilton House, Bury Rd., Radcliffe,

Manchester M26 9UR.



Name

Address.....

.....

.....

.....

Adding sound to your animation

It makes all the difference if your animation has sound effects and possibly even music. Here are a few tips on how to create a soundtrack...

AMIGA FORMAT

38

APRIL 1992

HOW TO GET YOUR SOUNDS...

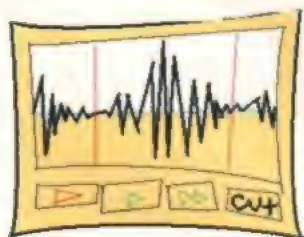


If you do a decent long animation and end up recording it onto video, you can always do the soundtrack by dubbing it onto the video tape itself. Even some home VCRs usually have an audio dub facility nowadays. But for the most part you will probably want to create something that you can run from the Amiga, so you'll be using various sound samples.

If you're not familiar with sampling, it's

simple enough. All you do is attach a piece of sampling hardware to your Amiga and plug in either a microphone or a sound lead from your hi-fi, your video player or whatever. You're then ready to record your sounds.

The sampling software on your Amiga records sound by slicing it up into digital information, exactly like what's on a CD player. It's just as easy using a sampler as using a tape recorder, the only major difference being that you are recording directly into the computer's memory rather than onto any kind of tape.



When you've recorded a bit of sound you want, you can then use the sampling software to play around with it, cutting out bits you don't need, changing the pitch and even reversing bits if you want. When you've got just the noise you're after, you save it to disk: sound samples, just like pictures, are saved on the Amiga in a standard file format called IFF, which most programs can use.

Samplers are easy to use, great fun to play with and you can get them surprisingly cheaply. A few recommendations of what we think are the best samplers to buy are made in a panel on this page.

HOW TO ADD YOUR SOUNDS...

How you precisely match up your sound effects with your animation depends partly on what program you are using, but essentially it's a tremendously simple common-sense process.

If you've made your animation in a program specifically designed for animation, like MovieSetter, you add your soundtrack in the same program. If on the other hand you've created the animation in a paint program like *Deluxe Paint*, which doesn't cater for sound, you'll need another program that allows you to organise pictures and sound together. Such a program is usually referred to as an animation sequencer.

An animation sequencer will very often allow you to combine several short animations into one long sequence. This also has the advantage that the final long animation is loaded piece-by-piece into the computer's memory when you run it,

MAKING A SELF-PLAYING ANIMATION DISK



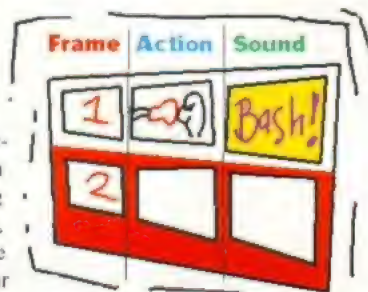
Last of all, you may very well want to set up your animation so that it plays off a stand-alone disk. Most animation packages – and again, *Deluxe Paint IV* is a shining example – do actually come with a 'player' program, which is a tiny little program that you can squeeze onto a disk together with your animation and it will play your cartoon when you double-click on an icon. It's an easy short step, once you know a little about Workbench that is, to creating a self-booting disk that

will automatically play your animation when you switch on and put a disk into the drive.

Most player programs are freely-distributable, which means that anyone is allowed to get a copy without paying for it. This means that you can give copies of your animation to friends, or send it to a Public Domain library so that they can be distributed. And who knows? Fame and fortune may be just around the corner...

and so it will run on a computer that has less RAM.

The actual process of timing the sound effects is dead easy. All you have to do is place the sound effect next to the frame you want it to start on and specify how long it will go on for. To give an example, if you had one character hitting another over the head with a frying pan, all you have to do is find the frame where the pan makes contact and place your "bonngggg" sound so that it plays on that frame.



Alternatively, you may want a continuing noise, like the engine noise of a plane or car as it moves along. This will generally be a very short sample repeated a lot of times, simply because a short sample will take up less memory.

Finally, something like music will be a bit more complicated. How you add this depends on the program you are using, but most will let you start playing a tune at any point and leave it playing until you specify it to stop. Again, because everything is done frame by frame in animation, it's very easy to time it properly.

When do I do the soundtrack?

If your pictures and sounds are to fit together well, it's important to plan them carefully. Here's how the professionals do it...

When do you do the soundtrack? Well, more often than not, you do it first of all. Before you even do the animation. And if there's speech (dialogue) in the soundtrack, definitely first.

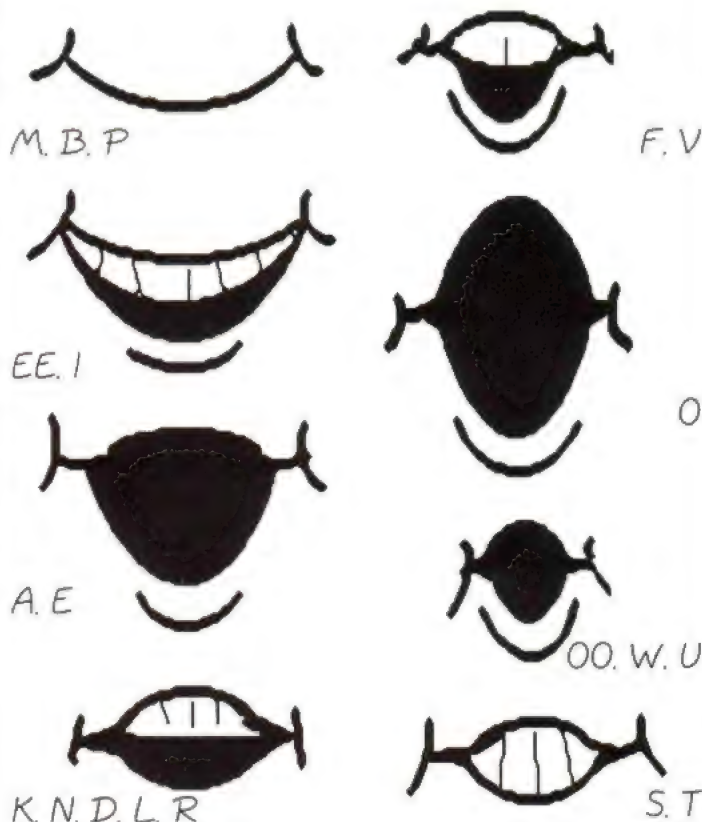
The main reason for this is that the process of 'lip-synching' – synchronising the movements of a character's lips so that they are synchronised with the words – is one of the most difficult things to do convincingly. It's probably difficult because most of us do a lot of unconscious lip-reading when we're watching someone speak, but whatever the reason, it's always glaringly obvious and generally very irritating if the movements of a character's mouth are out of step with the sounds.

Trying to record speech so that it will fit the mouth movements of a character – 'post-synching', as it's known – is very difficult, so dialogue is invariably prerecorded and the action made to fit it. It's also easier to draw and time a character's mouth movements if you know exactly what noises the character is supposed to be producing.

In fact, the timing of fitting the action to the dialogue is the trickiest problem in animation and is the main reason why the whole production process is

LIP-SYNCHING MADE EASY!

The only really tricky task when you are adding sound to an animation is making sure that a character's lips move properly to fit the words. It's not an easy thing to get right, but if you use this set of simple mouth shapes as a starting point, you can't go far wrong. Try making the movement from one shape to the next flow, and also try watching yourself speak in a mirror to see how your mouth moves.



rigidly controlled by a set of standard systems. It works like this. Most dialogue-based cartoons (like your average Walt Disney movie) will start off as a script, just the same as a film script. The script will be mainly dialogue, with the briefest descriptions of where scenes are to be set and of any action that is to take place.

The next stage is the 'storyboard'. Animations that have little or no dialogue will start at the storyboard stage, and very often non-animated short films, particularly TV commercials, use a storyboard too. Essentially, the storyboard looks rather like a cartoon book: it will have sketches of all the main scenes and key actions, with the words or sound effects written underneath along with notes on what's going on.

At this point, everyone concerned should have a pretty good idea of what the mood and action is in each scene and how it affects the dialogue, so the dialogue can be recorded and edited. Now the animation can be constructed to fit it, and the last and most rigid form of production control is brought in. This is called the 'dope sheet'.

The dope sheet, so called because even a complete idiot shouldn't be able to go wrong using one, is an exact description of what happens in every single frame. Generally it'll be laid out on paper with rows and columns, one row for each frame and columns for descriptions of background, cels, visual effects and the soundtrack. Hopefully foolproof.

Most companies are very flexible and find what degree of planing suits them best: working on the Amiga, probably just a storyboard will do. You're unlikely to be able to do much real dialogue, simply because long samples of speech will take up a lot of RAM memory. If your animation is mainly visual action with just the odd sound effect to emphasise things, you'll probably be quite safe flaunting the rules and just sticking the sound effects on after all the animation is done.

Make child's play of programming your video...

That's right! If you've ever made a mistake with *your* video then Merlin have the perfect answer! No more taping the wrong channel, no more taping at the wrong time. Because, with the new VideoPlus[™], programming your video is as easy as making a phone call... *even if you're an adult!*

Video programming is a really simple operation with VideoPlus[™]. Just look in a host of publications from December 6th (including all your favourite publications*) that will be printing all the important Video Pluscode[™] numbers

you can easily tap into your own Video Plus[™] handset. VideoPlus[™] will do the rest, automatically by infra-red.

It will turn your video on, set the channel, set the length of time to record, and when your selection has finished, it will switch your video off! And all from just one number!

What you need VideoPlus[™] works with most popular makes of video recorders that have infra-red remote control and, for the first time, virtually all satellite receivers! Video PlusCode[™] Numbers.

You'll soon see these Numbers next to prog. listings in around 78 million issues of national papers & TV guides.

Features available with VideoPlus[™] are endless:

FAn LCD Display Panel that shows date, time, tape length required for programmes entered (for the next 24hrs), low battery level indicator and internal backup memory.

Easy to use number keypad to enter up TV listing Plus Codes[™].

3 recording options for: 'Once' (single programme setting), 'Weekly' (tape every week at scheduled times), 'Daily' (for taping every week day, from Monday to Friday, all at the same time).

LED Indicator that flashes at the start of recording.

Easy 'one time' set up feature facility.

Verification of all programme info including 'time clash' display.

Review of stored settings in date and time order.



VIDEOplus[™]
INSTANT VIDEO PROGRAMMER[™]

What do you get in your new VideoPlus[™] Pack?

You receive a COMPLETE pack, even down to the batteries, which is instantly ready to use and supplied already set up to Greenwich Mean Time...

- One Handset with batteries fitted, set to GMT and ready to use straightaway
- One detailed easy to follow 'Getting Started' manual and one 'Troubleshooting Guide'
- One watch and wipe tutorial video featuring Michaela Strachan; to help you make the best of your new VideoPlus[™].

What after sales support do you get when you buy your VideoPlus[™]?

Should you experience difficulties in setting up your video or satellite, VideoPlus[™] will be there to help with a customer service helpline including free exchange systems and full money-back warranties too! All this for your total peace of mind in VideoPlus[™].

Publications carrying Video PlusCode[™] Numbers...TV Times, What's on TV, Daily Mirror, Sunday Mirror, The Sun, News of the World, The People, Today, The Times, The Sunday Times, Daily Mail, Mail on Sunday, Evening Standard and Sporting Life.

To make YOUR video programming as simple as making a phone call... simply make a phone call...to Merlin Express! A revolutionary product for just...

£59.99

(inclusive of VAT and delivered to your door)

VideoPlus[™], Video PlusCode[™] and INSTANT VIDEO PROGRAMMER[™] are trademarks of Gemstar Development Corporation

To order...
Just phone our telesales office on 0602 441442 using your Access, Visa or Switch card or, send a cheque/postal order to the address shown below.



Your goods will be despatched on the day of clearance of payment by recorded delivery. Or a courier service is available at either £6 (2 working days) or £7.50 (next working day).

MERLIN EXPRESS LIMITED
UNIT C7, THE ROPEWALK INDUSTRIAL CENTRE,
STATION ROAD, ILKESTON, DERBYSHIRE. DE7 5HX.
TELEPHONE: 0602 441442



CARTOON CLASSICS MEGA
AMIGA A500 PLUS

New GORDON

31* MEGA GAME 1Mb.

HARWOODS POWERPLAY PACK 1 COMES OF AGE WITH 31* GREAT GAMES & A 1Mb AMIGA A500 PLUS CARTOON CLASSICS WITH THE SIMPSONS, LEMMINGS AND CAPTAIN PLANET PLUS 28* EXTRA GAMES ONLY FROM HARWOODS!!!

ALL OUR AMIGAS ARE UNITED KINGDOM SPECIFICATION AND INCLUDE THE FOLLOWING...

- 1 Mb. Disk Drive
- 1Mb Ram Memory
- TV Modulator
- 4096 Colours
- Multi Tasking
- Speech Synthesis
- 4 Channel Digital Stereo Sound
- Amiga Mouse
- Operation Manuals
- Workbench 2 Disks
- ALL Connecting Cables

PLUS...All OUR Amigas are backed by Harwoods Great Service

(Please see full details in our Ordering Made Easy' panel final page)



THAT'S RIGHT HARWOODS HAVE PUT TOGETHER THE ULTIMATE AMIGA PACKS YET AGAIN... STARTING WITH POWERPLAY PACK 1 WHICH INCLUDES 31* GREAT GAMES!

Just look at what you get NOW...

- **AMIGA A500 PLUS COMPUTER WITH A FULL 1Mb. OF MEMORY!**
- **THE SIMPSONS, BART vs THE SPACE MUTANTS** - That's right man! you can play the computer version of this popular TV cartoon. By Ocean.
- **CAPTAIN PLANET** - created from the award winning TV show, now's your chance to save the earth's environment with this ultimate adventure... your Eco-Copter is waiting. By Mindscape.
- **LEMMINGS** - Are you as smart as Lemmings are stupid, match your intelligence against their lack of it as you play the 140 levels of the most original game of '91 (European Computer Leisure Awards Winner). By Psygnosis.
- **EDUCATIONAL BASIC LANGUAGE FOR CREATING YOUR OWN PROGRAMS**
- **DELUXE PAINT III GRAPHICS PACKAGE WITH ANIMATION**
- **TAILORED DUST COVER AND MOUSE MAT**
- **AND A SUPERB HIGH QUALITY MICROSWITCHED JOYSTICK.**
- **PLUS.... 18 MORE GREAT GAMES, THERE'S SOMETHING FOR EVERYONE...**
 - BLOODWYCH** - Fantasy role-playing game, great interaction with your computer created environment
 - BUBBLE+** - Help the dawdling ghost and the soap bubble, escape from the old deserted manor house
 - CAPTAIN BLOOD** - Astonishing creatures and animated 3D graphics, this is a game you just have to play
 - ELIMINATOR** - A progressive multi-stage flying shoot 'em up, on a long winding course, survive if you can!
 - HOSTAGES** - You must get your team and hostages out of the terrorist overrun embassy, without loss of life
 - JUMPING JACKSON** - In a deluge of colour and sound save, the earth from sadness and melancholy music
 - KRYPTON EGG** - A classic Breakout game, 60 screens, separated by 6 combat sequences
 - LANCASTER** - Your mission is to fly the classic WWII bomber on its dangerous raids over enemy territory
 - LOMBARD RAC RALLY** - You drive your 300 bhp Sierra Cosworth through demanding stages of the rally
 - PURPLE SATURN DAY** - Four arcade games, an exciting high speed trip into total cosmic 3D space
 - SAFARI GUNS** - Live the African experience in an animal sanctuary, track the poachers & ivory traffickers
 - STIR CRAZY** (Featuring Bobo) - Bobo & his inmates are planning a stunning trampoline jump prison escape
 - SKYCHASE** - Airborne combat for every simulation fan. In this one or two player game, battle against your MIG flying adversary in your F-16 Falcon.
 - SKYFOX II** - Skyfox II, the only ship fast enough to carry on the Skyfox legend. Fight to blow your federation enemies from the Galaxy, at speeds of 9000 kilometres/second!
 - STRIKE FORCE HARRIER** - Puts you in the cockpit of one of Britains most exiting fighter aircraft. Multiple skill levels let you progress to become an ace pilot
 - TINTIN ON THE MOON** - We've been captured by Colonel Jorgen and he's tring to scupper the moon mission. Come on Tintin, you're the only one who can save us, and be the first on the moon
 - TV SPORTS FOOTBALL** - Strap on your helmet for American football simulation that looks like the real thing.
 - XENON 2 MEGABLAST** - This time it's war! The Xenites are back and have thrown time itself into turmoil.

We reserve the right to substitute individual software titles or pack items should the need arise

Our packs always contain Professional Games NOT PD or multi-game disk titles

CARTOON CLASSICS MEGA 31*
AMIGA A500 PLUS

BUY YOUR AMIGA WITH 2Mb FOR ONLY £40 EXTRA!!!
(in 1Mb RAM Expansion)

See Page 4 for details

*** OUR POWERPLAY PACK 1 PREVIOUSLY CONTAINED 21 GREAT GAMES BUT, NOW WE'RE INCLUDING THESE 10 FANTASTIC BONUS GAMES... BUT ONLY WHILST STOCKS LAST!**

- DATASTORM** - The fastest shoot 'em up of all time! Defender with a vengeance!!!
 - DUNGEON QUEST** - Ultimate in multisensory gaming! The BEST graphic mysteries!
 - E-MOTION** - 50 levels of multi-coloured puzzles. A challenging emotional experience.
 - GRAND MONSTER SLAM** - Elves, Trolls, Goblins, Orcs, Dragons & Knights do battle!
 - RVF HONDA** - Formula 1 motorbike racing at 170mph on a Honda RC30 racing bike!
 - DRIVIN' FORCE** - For driving maniacs! 12 competitions day or night with 6 vehicles!
 - PIPEMANIA** - Classic puzzle arcade game. So addictive you won't want to put it down!
 - ROCK 'N' ROLL** - Crazy action game accompanied by fantastic Rock 'n Roll sounds!
 - SKWEEK** - Paint the town PINK, kill Schnoreuls and dominate 99 levels of Skweezland
 - TOWER OF BABEL** - Intricate 3D strategy game. Fantastic lighting & shading effects!
- ...AND HARWOODS ALSO GIVE YOU A SUPERB BROCHURE OFFERING UP TO 16 NIGHTS FREE HOTEL ACCOMMODATION IN AN EXTENSIVE SELECTION OF 400 HOTELS AROUND THE UK PLUS NOW A SPECIAL BUDGET FRANCE SUPPLEMENT IS INCLUDED TOO!**

Priced at an INCREDIBLE

£399.95
Including VAT

HARWOOD POWERPLAY PACKS

**HARWOOD'S
BRILLIANT 1Mb
AMIGA 500 PLUS**

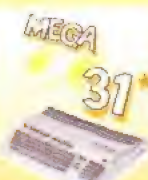
'MEGA 31'*
GAMES PACK 2

That's right you get
the fantastic Amiga &
ALL THE EXTRAS
detailed in Harwoods
"Mega 31" Pack 1
AND you also get...

**THE PHILIPS
CM8833/II
STEREO COLOUR
MONITOR**



Our monitor section on page 6
gives full details for your choice
of Philips Monitors & Monitor TVs



MONITOR PACK

2

A SPECIAL PACK FROM HARWOOD'S
YOU SEE AND HEAR THOSE GAMES
WITH SUPERB CLARITY

£629.95
including
VAT

**BUY AN AMIGA
WITH 2Mb FOR ONLY
£40 EXTRA!!**
(on 1Mb RAM Expansion
module)

**HARWOOD'S GREAT 1Mb
AMIGA 500 PLUS
'MEGA 31' PACK 3**

That's right you get the fantastic
Amiga & **ALL THE EXTRAS**
detailed in Harwoods "Mega 31"
Games Pack 1 (far left) AND...
then you also get...

**THE SUPERB PHILIPS CM8833/II
STEREO COLOUR MONITOR**

Our monitor section
on page 6 gives
full details for your
choice of Philips
Monitors & Monitor TVs



Plus...

**THE SUPER STAR
LC 200 COLOUR
PRINTER...**



Featuring...
185/40 cps, Full Colour 9 Pin NLO Dot Matrix Printer
with a FREE Dust Cover and cable to your Amiga.
(See printer panel for details)

IF YOU WISH, REPLACE THE
LC200 WITH A CITIZEN SWIFT 9
COLOUR AT NO EXTRA COST!!
OR... IF YOU PREFER A 24PIN
COLOUR PRINTER, JUST CHOOSE
FROM OUR RANGE & ADD THE
DIFFERENCE IN PRICE BETWEEN
STARS LC200 & YOUR CHOICE
(eg. Citizen 224, add just £50)

£829.95
including
VAT

**"IT'S THE-
BUSINESS"**

A TRULY PROFESSIONAL
PACKAGE SPECIFICALLY
FOR THE BUSINESS
MINDED AMIGA USER.
THIS ONE SHOULD
FULFILL EVERY AREA
OF HOME BUSINESS
YOU'RE LIKELY TO NEED!

**THE BUSINESS PACK
FROM HARWOODS
INCLUDES ALL THE
FOLLOWING...**

**AMIGA 500 PLUS
WITH 1Mb. MEMORY**

**PHILIPS CM 8833/II
STEREO COLOUR MONITOR**
See Monitor Panel on Page 6 for Details

**STAR LC200 9 PIN NLO
FULL COLOUR PRINTER**
See Printer Panel on Page 5 for Details

A HOST OF BUSINESS SOFTWARE & ACCESSORIES...
PEN PAL V1.3 (Word Processor)...1Mb.
SUPERBASE II PERSONAL (Database)
SUPERPLAN (Spreadsheet)...1Mb.

**A GREAT TEN
GAMES PACKAGE**

Plus...
* THE SIMPSONS
* CAPTAIN PLANET
* LEMMINGS
* DELUXE PAINT III
Now with ANIMATION
* MICROSWITCHED JOYSTICK
* 10 BLANK 3.5" DISKS
* DISK LIBRARY CASE
* MOUSE MAT
* 3 TAILORED DUST COVERS

**ADD A CUMANA CAX 354 SECOND DRIVE
FOR JUST £50 TO HELP RUN THOSE
BUSINESS PACKS MORE EFFICIENTLY**

**WE MEAN BUSINESS AT A GREAT
PACKAGE PRICE OF JUST...**

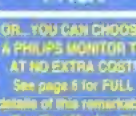
£899.95
including
VAT

**CARTON
CLASSICS**



**POWERPRO
PROFESSIONAL
PROFESSIONAL
PACK**

OR... YOU CAN CHOOSE
A PHILIPS MONITOR TV
AT NO EXTRA COST!!
See page 6 for FULL
details of this remarkable
Fast Text Monitor TV



**BUY AN AMIGA
WITH 2Mb FOR ONLY
£40 EXTRA!!**
(on 1Mb RAM Expansion
module)

IF YOU WISH, REPLACE THE
LC200 WITH A CITIZEN SWIFT 9
COLOUR AT NO EXTRA COST!!
OR... IF YOU PREFER A 24PIN
COLOUR PRINTER, JUST CHOOSE
FROM OUR RANGE & ADD THE
DIFFERENCE IN PRICE BETWEEN
STARS LC200 & YOUR CHOICE
(eg. Citizen 224, add just £50)

Datascram, Drivin' Force, Pipe Mania,
Dungeon Quest, Rock-N-Roll, E-Motion,
Tower of Babel, Skweek, RVF Honda,
and Grand Monster Storm.

HARWOODS LEARN & PLAY

PRIMARY & JUNIOR PACK A

Get your children off to the right
computing start with this software
learn and play pack...

PROF. PLAYS A NEW GAME
PROF. LOOKS AT WORDS
PROF. MAKES SENTENCES
PROF. HUNTS FOR WORDS

Active, enquiring young minds love seeing the
cartoon character called Prof. entertain and teach.
(Children take charge of Prof. on the computer,
active learning. Follows National Curriculum(N.C.).

HOMEBASE

Ideal home storage system. Keep household lists,
student records etc. Easy to use "push button" controls.

PRIMARY MATHS COURSE

Around 24 modules in this course from 3 yrs old
right up to secondary level. Follows N.C.

READING & WRITING COURSE

24 module course. Teaching from the computer
and books. For early starters & the dyslexic.

**A GREAT EDUCATIONAL PACK
FOR YOUR CHILDREN AT A
FRACTION OF THE NORMAL COST**



EDUCATION

A

PACK A

£89.95
including
VAT

HARWOODS LEARN & PLAY

GCSE/O' LEVEL PACK B

GCSE examination level studies on your
Amiga computer that's fun!

**MICRO ENGLISH, MICRO FRENCH AND
MICRO MATHS**

A set of three complete self-tuition courses to GCSE level
which can also be used for revision work. All programs
adhere to the National Curriculum and were designed
and tested in schools by professional teachers.

PEN PAL - Graphical Word Processor

A fantastic word processor with all the tools you'll need
to create effective written work. Ideal for home work,
projects etc. or for the families letters. Text wraps
automatically around graphics, even as you type!
Includes a built-in database and Forms Manager.

HOMEBASE

Homebase is the ideal information storage program for
things like household lists, student notes, and children's
educational projects. Inc. clearly labelled "push button"
controls and clear comprehensive reference manuals.



EDUCATION

B

PACK B

£89.95
including
VAT

**A GREAT EDUCATIONAL PACK
FOR YOUR CHILDREN AT A
FRACTION OF THE NORMAL COST**

All our packs contain the new
Amiga A500 Plus.
(1.3 Amigas may still be available
to special order, please enquire.)



Enquiries & Order Line:

0773 836781



Finance Facilities Available*
Please phone us for information and your personal application pack.

**GORDON
HARWOOD
HARWOOD
HARWOOD**
Computers

ALFRETON DERBYSHIRE

*The Closer you look,
The Better we look.*

SOUND AND VISION

Words and Pictures

CDTV



IMAGINE, IF YOU CAN, THE CONCEPT OF A NEW, MORE POWERFUL AMIGA...

...WITH 1 MEGABYTE OF MEMORY, AND A COMPACT DISK DRIVE OF ALMOST INFINITE SIZE. A DISK DRIVE SO VAST, IT CAN STORE HUNDREDS OF MILLIONS OF DIGITS OF DATA. THIS DATA COULD BE, SPEECH, ANIMATED PICTURES, DIGITISED STEREO SOUND, COMPUTER IMAGES OR WHOLE ENCYCLOPAEDIAS.... AND MORE.

IMAGINE THIS, AND YOU CAN START TO GRASP THE CONCEPT OF CDTV.

THE INTEGRAL COMPACT DISK DRIVE, IS THE KEY TO THE POWER OF CDTV. ITS STORAGE CAPACITY IS EQUIVALENT TO AROUND A QUARTER OF A MILLION FULL PAGES OF TEXT. THIS WHEN INTEGRATED WITH THE 1 MB OF INTERNAL AMIGA CIRCUITRY, CREATES A SYSTEM, WHICH FROM A CD DISK, CAN GIVE YOU ACCESS TO AN UNIMAGINABLE SPECTRUM OF REAL WORLD IMAGES, NEVER SEEN COMBINED BEFORE. THESE VIVID IMAGES, WITH WORDS AND SOUNDS, GIVE YOU A WHOLE NEW DIMENSION IN HOME EDUCATION, ENTERTAINMENT & INFORMATION TECHNOLOGY. AND... DON'T FORGET, THAT CDTV CAN PLAY IN SUPERB QUALITY, ANY NORMAL AUDIO MUSIC CD, AND IT CAN ALSO PLAY THE NEW CD+G DISKS, WHICH GIVE DIGITAL SOUND AND ON SCREEN GRAPHICS.

ON CD DISKS NOW AVAILABLE, THERE ARE EDUCATIONAL PACKAGES, ENCYCLOPAEDIAS PACKED WITH REFERENCE INFORMATION, STUNNING GAMES, MUSIC SYSTEMS AND MANY OTHER NEW AND VARIED SUBJECTS, INCLUDING WHOLE WORLD ATLASES OR EVEN THE COMPLETE WORKS OF SHAKESPEARE, EACH ON ONE CD DISK!!! CDTV - NOTHING LESS THAN REVOLUTIONARY

FREE CDTV STARTER PACK!!!

WHEN YOU CHOOSE YOUR CDTV FROM GORDON HARWOOD, NOT ONLY DO YOU GET OUR LEGENDARY SERVICE, BUT WE GIVE YOU A CDTV STARTER PACK, TO GET YOU EXPLORING YOUR NEW WORLD - STRAIGHTAWAY.

THIS INCLUDES A SUPERB SELECTION OF CD DISK TITLES INCLUDING THE WELCOME TUTORIAL & HUTCHINSONS ENCYCLOPAEDIA, PLUS ... FOUR GAMES, SHERLOCK HOLMES & THE HOUND OF THE BASKERVILLES, SIM CITY, CHAOS IN ANDROMEDA, AND THE ACCLAIMED LEMMINGS, WORTH IN TOTAL ALMOST £170.00. IN ADDITION IS THE INFRARED REMOTE CONTROLLER, AND ALL THE HARDWARE NEEDED TO GET YOU CONNECTED.

ALL THIS FOR JUST £499.95

CDTV IS THE SAME SIZE AND STYLE AS MOST VIDEO RECORDERS, SO IT CAN SIT UNOBTUSIVELY ABOVE OR BELOW YOUR HOME TV AND/OR HI-FI. AND WITH ITS INFRARED REMOTE CONTROLLER, IT CAN BE OPERATED FROM YOUR ARMCHAIR. BUT PERHAPS MOST IMPORTANTLY, IF YOU ARE A COMPUTER ENTHUSIAST, REMEMBER THAT INSIDE EVERY CDTV, IS AN AMIGA, JUST WAITING TO BE USED. SO LATER ON, YOU'LL BE ABLE TO BUY THE OPTIONAL KEYBOARD AND DISK DRIVE, TO GET INTO THE WORLD OF AMIGA COMPUTING. PRINTERS, DIGITISERS, GENLOCKS AND OTHER ACCESSORIES, CAN ALL BE CONNECTED TO GIVE ACCESS TO MANY OTHER EXCITING FACILITIES, AND ALSO MANY OF THE EXISTING SOFTWARE PACKAGES AVAILABLE FOR THE AMIGA COMPUTER. NEVER BEFORE HAS THERE BEEN SO MUCH POTENTIAL FROM ONE NEW STUNNING SYSTEM, PACKED WITH

TODAYS TECHNOLOGY.!

CALL IN AND SEE US FOR YOUR PERSONAL DEMONSTRATION, OR PHONE US FOR YOUR FREE DETAILED CDTV INFORMATION PACK.

CDTV ACCESSORIES Please call for latest availability.

CD 1220 KEYBOARD	AN 89 KEY QWERTY KEYBOARD	£49.95
CD 1252 MOUSE	INFRARED MOUSE WITH BATTERY SAVER.	£49.95
CD 1200 TRACKBALL	INFRARED TRACKBALL, WITH THE OPTION OF DIRECT CONNECTION TO EXTEND BATTERY LIFE. DUPLICATES FUNCTIONS OF 2 BUTTON MOUSE & INCLUDES TWO 9 PIN PORTS FOR STD. JOYSTICKS FOR HOLDING CD WITHIN DRIVE	£79.95
CD 1400 CADDY	PERSONAL RAM CARD CONTAINING 64K OF MEMORY FOR STORING DATA OR AS A BOOKMARK FACILITY WITHIN CDTV	£9.95
CD 1401 MEMORY CARD	A LARGER PERSONAL RAM CARD CONTAINING 512K OF MEMORY FOR STORING DATA OR AS A BOOKMARK FACILITY WITHIN CDTV	£79.95
CD 1405 MEMORY CARD	RACK MOUNTABLE FLOPPY DRIVE WITH 880K CAPACITY. CASING ALLOWS ROOM FOR ADDITIONAL HARD DRIVES OR MODEMS ETC.	£249.95
CD 1800 FLOPPY DRIVE	PAL BASED VIDEO INTERFACE CARD FOR SUPERIMPOSING CDTV IMAGES OVER A VIDEO SIGNAL PROVIDED BY ANY STANDARD VIDEO SOURCE CDTV COMPATIBLE AND STYLED IN MATCHING BLACK. (Same spec as CAX 354 on page 4 of this advertisement)	£99.95
CD 1301 GENLOCK		£149.95
CUMANA 3.5" DRIVE		

Many Amiga Accessories & Peripherals (e.g. Printers, Disk Drives, Software etc.) are compatible with CDTV. Please phone us for compatibility information.

HARWOODS AMIGA PRO-GEN

NEW LOWER PRICE



PROFESSIONAL QUALITY
GENLOCK FOR COMPUTER
AND VIDEO MIXING, AT A
DOWN TO EARTH PRICE!!!

Please note the above photograph shows Spectracolor which has now been replaced by Photon Paint 2.0

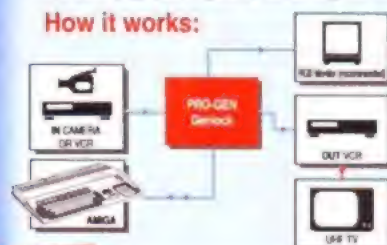
PRO-GEN Amiga Genlock

The Pro-gen AMIGA Genlock allows you to mix your Amiga display with any PAL video signal whether it is from a VCR, Laserdisk player or a Camcorder. In fact any item of video equipment which outputs a PAL composite video signal. Combined with the Amiga computer the Pro-Gen gives you the facilities of a special effects & video titling suite. Take your own films & give them a professional look by OVERLAYING TITLES or by SUPER IMPOSING YOUR OWN GRAPHICS created in packages like Photon Paint 2.0 or Deluxe Paint. Pro-Gen is supplied with micro illusions superb Photon Paint 2.0 package.

FREE

A powerful Lo-and-Hi resolution hold and modify (HAM) paint program, with overscan (NTSC/PAL) and special effects for your Amiga Computer including all the following... **Contour Mapping:** drapes a brush over a 3D "landscape". Pixel intensity values decide the peaks and valleys, while a specially developed ray-tracing algorithm maps the image precisely. **Surface Mapping:** around 3D objects, both geometric and free hand drawn. **Luminance:** sets the light source and intensity. **Shadowing:** automatically with control of size and offset. **Brush Control:** twist, tilt, resize, flip, rotate, bend, adjustable transparency, stretch etc etc. PLUS LOTS MORE! A great program allowing use of 4096 colours. Choice of horizontal page print, negatives, anti-aliasing, dithered print, adjustable brightness etc.

How it works:



STOP PRESS

PRO-GEN... NOW INCLUDES A VERY VERSATILE MULTI COMPONENT VIDEO TO GENLOCK CONNECTING CABLE KIT THIS ALLOWS PRO-GEN TO BE USED STRAIGHTAWAY WITH MOST POPULAR VIDEO EQUIPMENT, WITHOUT THE NEED TO HUNT DOWN THE CORRECT CONNECTING CABLES. THIS KIT CAN ALSO BE USED TO CONNECT IN OTHER WAYS... eg. VCR TO VCR etc. A KIT TO START YOU OFF RIGHT FROM THE MOMENT YOU OPEN THE BOX!!

**NEW
LOWER
PRICE**

PRO-GEN with Photon Paint 2.0 **ONLY £99.95**

Mode Switch-box for Genlocks

Features Include
-Compatible With The Pro-Gen And Rendale 8802
-Supplied With Genlock Extender Cable Worth £9.95
-Switch-box Switches Between Foreground, Background, Video And Computer Modes.

£29.95

AMIGA DRIVES & MEMORY

Cumana CAX354 3.5" External 2nd Disk Drive.

- ★ Features Include
- ★ Long connecting cable
- ★ 1Mb. (880K Formatted) Capacity
- ★ Enable/Disable Switch,
- ★ Throughport
- ★ Access Light
- ★ Compatible with Amiga 500/1000/1500/2000/3000 and CDTV

£57.95



NOW SUPPLIED
WITH A
FREE
3.5" DISK HEAD
CLEANER
for optimum reliability

**BLACK CDTV
COMPATIBLE VERSION
AVAILABLE NOW!!!**

NEW! GVP 52-105Mb HARD DISK DRIVE WITH MEMORY EXPANSIONS OF UP TO 8Mb.

- ★ Capacities of 52 or 105Mb available
- ★ Connects to sidecar bus on L/H side of A500/A500 Plus
- ★ Autoboots with Kickstart 1.3/2.0, boot enable/disable switch
- ★ Sockets for up to 8 Mb of RAM expansion
- ★ SCSI Port allows up to 7 other devices to be connected
- ★ Supplied with easy to use software
- ★ 2 Year Warranty Complete with dedicated PSU
- ★ Mini slot for future expansion capabilities
- ★ PC-AT Emulator planned to be available for 1992

GVP PRICES	RAM SIZE	CAPACITY	
		52Mb.	105Mb.
	0Mb.	£359.95	£549.95
	2Mb.	£429.95	£629.95
	4Mb.	£509.95	£749.95
	8Mb.	£699.95	£929.95

Call for...
**UPGRADE
PRICES!**



EDUCATION SOFTWARE DON'T JUST PLAY GAMES WHEN YOU CAN LEARN WITH YOUR AMIGA TOO!

- MICRO MATHS** - 24 easy to use programs for GCSE (O Level) revision or self tuition **£21.95**
- MEGA MATHS** - A 9 level step by step tuition course. For mature beginners, 'A' Level studies & Micro Maths users **£21.95**
- MICRO FRENCH** - GCSE French tuition or revision course. Covers both spoken & written French **£21.95**
- MICRO ENGLISH** - A complete programme of self-tuition up to GCSE standard **£21.95**
- PRIMARY MATHS COURSE** - Ages 3 to 12, Complete 24 Programme Course. **£21.95**
- SPELL BOOK** - Ages 4 to 6, Developed with the help of a Primary School Head Teacher to aid spelling skills. **£17.95**
- PROF: Hunts for Words** - With clues for Prof. and his young audience, children can hunt for words and complete a story. **£24.95**
- PROF: Looks at Words** - You direct Prof. around the screen searching for letters to complete the words. 17 levels of play. **£24.95**
- PROF: Makes Sentences** - Children help Prof. make up sentences by unjumbling sequences of words - great animation. **£24.95**
- PROF: Plays a New Game** - Comes with a story disk, audio tape, and an illustrated reading book. **£24.95**

HARWOODS AMIGA 1Mb PRO-RAM PLUS

**ADD MORE POWER TO YOUR AMIGA 500 PLUS
WITH A FULL 1Mb. MEMORY UPGRADE!!!**

- ★ 1Mb. RAM expansion for the Amiga 500 Plus
- ★ Gives a total of 2Mb. of RAM
- ★ Easily fitted without any dismantling in the trapdoor expansion slot underneath Amiga. DOESN'T invalidate your warranty!
- ★ Low power consumption 2 Yr Guarantee!

A GREAT NEW OFFER FROM HARWOODS

Only... **£44.95**

0.5 Mb PRO-RAM

- ★ Compatible with Amiga A500 and 500 Plus
- ★ Gives A500 a total of 1Mb Memory + Clock
- ★ Gives 500 Plus a total of 1.5Mb Memory

Only... **£29.95**

AMIGA SOFTWARE

Music-X: The ultimate software for professional MIDI sequencing. The software includes a configurable librarian and a synthesiser patch editor. All you need to recreate a song can be recalled from one performance file including sequences, MIDI routing, sync setup, keyboard maps & synthesiser or drum machine patch libraries. **NEW LOW PRICES - £54.95 or just £74.95 with midi-interface!**

MIDI INTERFACE (S Port): In, Out, Through plus 2 switchable thru/out. Includes cable. **£24.95**

AMOS: AMOS allows you to access the power of the Amiga with ease. 500 different commands make AMOS a sophisticated development language. The AMOS animation language allows you to create complex animation sequences. 300 page manual and over 80 example programs. **£49.95**

Amos Add on Modules: (BOTH require Amos prog.) **BUY ALL THREE AMOS PROGRAMS FOR JUST £89.95**

Amos Compiler **Amos 3D**

SuperBase 4: Most powerful database available for the Amiga. Combines the ease of use of SuperBase 2 with a versatile programming language so that you can tailor your data to your own specific needs for club/business/library records etc. **£229.95**

Lattice C: An ideal tool for the C programmer whether experienced or a novice. The best way to create applications for the Amiga. Fully supports Motorola chipset. Nearly 300 functions optimised to help the user write the tightest possible code. Includes screen editor. Most Amiga C books are based around lattice. (Requires either 2 floppy drives OR a hard disk drive) **£199.95**

Deluxe Paint IV: Latest version of the Amigas first, and still the best, paint and animation package, now including HAM mode. (1 Mb. minimum memory or more recommended) **£79.95**

Vidi, The Complete Colour Solution: Vidi with RGB Splitter, Frame Grabber & Digitiser. Grabs moving colour video into 16 grey scale frames (up to 16 frames in 1Mb. Amiga) and digitises from still colour video source in up to 4096 colours in less than 1 second! Requires home VCR or video camera for grabbing. Requires video camera or VCR with perfect pause for digitising. Now comes with Photon Paint 2.0 ABSOLUTELY FREE OF CHARGE!!! **£179.95**

MASTERSOUND: High quality "mono" sampler (best for sampling instruments etc.) **£36.95**

THE ABOVE IS JUST A SMALL SAMPLE FROM OUR EXTENSIVE RANGE OF THOUSANDS OF SERIOUS, EDUCATION AND RECREATION TITLES. WE CAN'T LIST THEM ALL HERE SO PLEASE CALL US IF YOU CAN'T SEE THE PROGRAM YOU REQUIRE, IT'S PROBABLY IN STOCK!

Pen Pal V.1.3

WORD PROCESSOR/DATABASE
With Pen Pal you can mix text, 4096 colour graphics & data in ways no other w/p can! "It's handling of graphics is unsurpassed: Pen Pal is the only word processor I tested that will automatically wrap text round graphics."

Amiga World,
July '90

£79.95
PEN PAL complete WITH 512K Amiga RAM Expansion only...£99.95!



All our packs contain the new
Amiga A500 Plus.
(1.3 Amigas may still be available
to special order, please enquire.)



Enquiries & Order Line:

0773 836781

Finance Facilities Available*
Please phone us for information and your personal application pack.

**GORDON
HARWOOD
HARWOOD
HARWOOD**

Computers
ALFRETON DERBYSHIRE

*The Closer you look,
The Better we look.*

NEW FREE ACCESSORIES

NEW FREE ACCESSORIES

We supply a connection cable to YOUR computer plus a Quality Dust Cover with ALL Dot Matrix Printers



ALL our Dot Matrix Printers are supplied complete with:

- 200 Sheets of Continuous Printer Paper
- 100 Useful Self Adhesive Continuous Labels
- Amiga Printer Drivers Disk

☐ Very reliable low cost printer with interchangeable interfaces for Centronics/RS232/serial type (C64 etc.) ☐ Full 2 Year manufacturers warranty

Credit terms are available (subject to credit review) to qualified customers.

151103

STAR PRINTER ACCESSORIES:

Hewlett Packard PaintJet	
Black Ink cartridge	£25.95
Colour Ink Cartridge	£31.49
Single Sheet Printer Paper	£17.96
Z-Fold Printer Paper	£15.95
Transparency Paper:	
Pack of 50 Sheets	£82.95

Font Cartridges -	
Styles To Be Announced	\$29.95
128K Centronics Printer Buffer	\$69.95
Automatic SheetFeeder	\$174.95
Dual Bin SheetFeeder	\$469.95



PRINTER	PRINTER TYPE	BLACK PRINTER	BLACK INK BOX PACK	COLOUR PRINTER	COLOUR INKBOX PACK	
CITIZEN 120D+	BLACK ONLY	£4.95	£24.95	N/A	N/A	
CITIZEN 124	BLACK ONLY	£4.95	£24.95	N/A	N/A	
CITIZEN SWIFT 9	BLACK/COLOUR	£4.95	£24.95	£16.95	£99.95	
SWIFT 24/24E/224	BLACK/COLOUR	£4.95	£24.95	£16.95	£99.95	
STAR LC10/20	BLACK/COLOUR	£4.95	£24.95	£6.90	£36.50	
STAR LC200	BLACK/COLOUR	£6.95 ZX9	£36.95 ZX9	£12.95 ZX9CL	£69.95 ZX9CL	
STAR LC24/200	BLACK/COLOUR	£8.95 Z24	£49.95 Z24	£14.95 X24CL	£74.95 X24CL	
STAR XB RANGE	BLACK/COLOUR	£8.95 Z24	£49.95 Z24	£14.95 X24CL	£74.95 X24CL	
STAR S448 INK CARTRIDGE	BLACK ONLY	Also compatible with Apple Stylewriter and Cannon BJ10E Sublieet				£14.95ea.

WE ALWAYS CARRY LARGE STOCKS OF THE FULL RANGE OF
ABACUS & OTHER BOOKS. Please visit our website

AMIGA FOR BEGINNERS - VOL. 1 ABACUS BOOKS,	£14.95
From unpacking your Amiga to creating your own icons, includes first use of basic and extras disk. NEW revised version covering workbench 1.3 and 2	
AMIGA BASIC INSIDE AND OUT - VOL. 2 ABACUS BOOKS,	£18.95
Definitive step by step guide to programming Amiga's in basic:	
AMIGA MACHINE LANGUAGE - VOL. 4 ABACUS BOOKS,	£14.95
Practical guide to learning 68000 assembler language:	
AMIGA DOS INSIDE AND OUT - VOL. 8 ABACUS BOOKS,	£23.45
Guide to Amiga DOS & CLI. New Edition inc. WB 2.0 (includes Free Help Disk)	
AMIGA HARDWARE REFERENCE MANUAL Addison Wesley,	£21.95
Written by technical experts at Commodore Amiga Inc, USA...the people who designed your Amiga. Hardware level machine code programming at advanced level. New revision now also includes Kickstart 2.	
AMIGA, BEST OF TRICKS & TIPS Vol. 17,	£32.95
A complete set of tricks and tips that enable you to do MORE with your Amiga and as simply as possible. (Includes Free Disk)	
GETTING THE MOST FROM YOUR AMIGA,	£9.95
From Future Publishing, the producers of Amiga Format Magazine and fully updated for 1992 OR.	
available with 2 HELP DISKS INCLUDED	
	£13.95

**Credit terms are available (subject to status) for most products; see our ordering panel at the end of this advert for full details.*

HOW
INCLUDING
TEN FREE GAMES
PACK TOTALLY FREE!

MONITORS & MONITOR TV's

Harwoods stock a complete range of both Monitors & Monitor TV's to give you your perfect solution to the type of display to buy.



PHILIPS CM8833/II Stereo High Resolution Colour Monitor

The ever popular 14-inch Philips CM 8833 MkII. Its versatility means you not only get excellent colour graphics & text performance with a wide range of personal computers, but when connected to a VCR, you get an amazing 600 pixel TV picture. With the 8833 MkII, Harwoods give you the complete set up, to get you going straight away... Monitor, RGB picture and Stereo Audio Cables.

Tailored dust cover, and a full 12 Months on site service warranty.
* RGB/AD, TTL, Composite, Video & stereo audio inputs Can be used as a TV with VCR or Tuner. Also as a Video Camera display monitor. Retractable stand.
* Twin Stereo Speakers Headphone Jack Socket. FREE lead for your computer. FREE 12 Month on site service warranty.

THE MOST VERSATILE STEREO COLOUR MONITOR AVAILABLE

£249.95

CBM 1064S STEREO COLOUR MONITOR

Commodore's Own Stereo High Resolution Colour Monitor with...

* RGB/AD/TTL, Composite, Video/Audio Inputs Can be used as TV with VCR or tuner. Twin Speakers for stereo output. Supplied with cables for A500, CGA PC, C16-64-128.

£269.95

It's important to remember that most TV Monitors, are still first and foremost televisions, meaning that their average 400 pixel tube display 50% lower resolution than a monitor) cannot be guaranteed to display 80 column text clearly without risking eye strain. If choosing a Television Monitor ensure it has the latest 2000 character tube capability, meaning it can handle the Amigas' 80 characters, by 25 line output clearly.

NEW!!! PHILIPS 15" FASTEXT TELETXT REMOTE CONTROL 60 CHANNEL MONITOR TV, BRAND NEW SUPERB DEFINITION PHILIPS MONITOR TV. IDEAL FOR AMIGA OR CDTV USERS, GIVING FOR THE FIRST TIME TRUE MONITOR QUALITY FROM A FULL FEATURE TELETXT TV AT AN AFFORDABLE PRICE!!! JUST LOOK AT THE FEATURES... Direct Scart Connector for Amiga, CDTV, VCR OR SATELLITE RECEIVER RGB/AD, Composite Video & audio inputs FULL TELETXT FACILITIES (FOR THIS FACILITY EXTERNAL AERIAL SHOULD BE USED) Headphone Jack Socket. FULL TWO YEAR GUARANTEE 2000 CHARACTER HIGH DEFINITION FST TUBE SUPPLIED WITH LOOP AERIAL REMOTE CONTROL. FREE lead for YOUR computer (IF YOU WOULD LIKE THE MONITOR TV IN OUR PACKS 2, 3, AND POWERPRO, AT NO EXTRA COST, TO REPLACE THE 8833/II, SIMPLY ADVISE US AT THE TIME OF ORDERING)

ONLY...
£269.95

10 FREE GAMES WITH YOUR TV OR MONITOR WHEN PURCHASED SEPARATELY (These games are already included within Harwoods Amiga Packs 2, 3, & Powerpro, see details on pages 1 & 2 of this advertisement!!!)

AMIGA ACCESSORIES

MIDI INTERFACE (5 Port): In, Out, Through plus 2 switchable thru/out. Includes cable. **£24.95**

Vidi, The Complete Colour Solution: Vidi with RGB Splitter, Frame Grabber & Digitiser. Grabs moving colour video into 16 grey scale frames (up to 16 frames in 1Mb. Amiga) and digitises from still colour video source in up to 4096 colours in less than 1 second! Requires home VCR or video camera for grabbing. Requires video camera or VCR with perfect pause for digitising. Now comes with Photon Paint 2.0 FREE!!! (see Pro-Gen lecture for full software details) **£149.95**

KCS POWERBOARD IBM PC EMULATOR Allows you to run many popular IBM PC compatible software — **£219.95**

titles on your Amiga or Amiga A500 Plus Hercules, CGA & Monochrome Video Support. Supports Both 3.5 Inch & 5.25 Inch Diskettes
* Fits Into A501 RAM Slot, 8088 XT Processor, Clock/Calendar Included, Acts As 512K RAM Exp. When In Amiga Mode, Includes MS-DOS 4.01, Shell & GW-BASIC, DOS-Help, & On-Board Memory Supports A590 Hard Drive, Mouse Driver Software Included.

KCS POWERBOARD AS ABOVE BUT WITHOUT: MS-Dos 4.01, GW-Basic, Shell, **£189.95**

NAKSHA 400dpi SCANNER **£114.95**

Switchable between 200dpi and 400dpi
Supports up to 32 grey shades with adjustable contrast
Supplied with EXPRESS-IT! software, image utility allows you to save in the format best suited to your favourite package

SUPRAMEM RX 500 (512K to 8Mb. RAM Expansion)

The RAM expansion giving massive memory WITHOUT dismantling your Amiga, thus avoiding the possibility of invalidating your warranty. Easily connects to sidcar with bus 'pass-through' for HD's etc.

2Mb. RAM Version **£199.95** 4Mb. RAM Version **£329.95**
8Mb. RAM Version **£549.95**

NAKSHA MICROSWITCHED MOUSE **£24.95**

GOLDEN IMAGE OPTICAL MOUSE **£32.95**

COMPETITION PRO JOYSTICK 5000 Black **£7.95**

ZIPSTICK JOYSTICK **£12.95**

COMPETITION PRO STAR JOYSTICK **£14.95**

The ONLY joystick to obtain a 100% rating from a magazine review!

3.5" DISK HEAD CLEANER **£2.99**



BLANK DISKS with labels

10 Genuine SONY 3.5" branded
50 Genuine SONY 3.5" branded
10 Unbranded with library case 3.5" certified
200 Unbranded 3.5" certified

Only **£9.95**
Only **£39.95**
Only **£7.95**
Only **£72.50**

Apple™ in Alferton...

For the professional user, Gordon Harwood provides the outstanding Apple™ Macintosh™ range of computers.

These superb systems are available at surprisingly competitive prices!

CALL US ABOUT OUR LIMITED PERIOD FREE PRINTER OR MONITOR OFFERS

As your quality assured Apple™ Authorised Dealer, systems are available through our showrooms only. Please visit us for your personal introduction to this exceptional range of friendly yet powerful graphical computers

Offers open during 'Special Promotional Period' whilst stocks last



Gordon Harwood
Computers



Authorised Dealer

Easy Ordering

Before you choose from whom to purchase, please phone us. We are always happy to discuss your requirements, and answer any queries you may have...

- ORDER BY PHONE:** Phone our Order Hotline with your Access, Visa, Mastercard, Switch or Lombard Creditcharge Card quoting number & expiry date (Dixons, Currys, NASCR and other 'store' cards are Lombard Creditcharge and are accepted by us).
- ORDER BY POST:** Make cheques, bankers building society drafts or postal orders payable to GORDON HARWOOD COMPUTERS. (Personal/business cheques take 7 days to clear from day of receipt whereupon your order will be despatched). Please send Name, Address, and most importantly if possible, a Daytime Telephone Number along with your order requirements. Please check you are ordering from one of our latest advertisements before posting (phone if you require confirmation). Please remember that for example many September publications appear during August, therefore prices you see may have changed (either up or down).
- FREE POSTAL DELIVERY:** FREE within 14 working days, UK Mainland only. OR: **COURIER SERVICE:** Add £5.95 per major item for next working day delivery, UK Mainland most regions.
- EXPORT ORDERS:** Most items are available at TAX FREE PRICES to non UK residents when visiting /export shipment. Please contact us for ordering information.

REMEMBER AFTER YOU'VE BOUGHT FROM HARWOODS, WE'LL STILL BE HERE...

TECHNICAL SUPPORT: You will be given our Exclusive Technical Support Phone Number to call should you require any help or advice on any aspect of the system you have purchased.

12 MONTH WARRANTY: Items proving faulty within 30 days of purchase are replaced with NEW UNITS unless otherwise stated. For the whole guarantee period, warranty service will be completely FREE OF CHARGE.

COLLECTION FACILITY: Any computer, monitor or printer requiring warranty service can be collected from your home FREE OF CHARGE during the guarantee period (UK Mainland only) and a FAST turnaround is GUARANTEED by our OWN ENGINEERS!

FULL TESTING PROCEDURE: All computers are tested prior to despatch, and all items are supplied with mains plug and leads as required - just connect up and use straight away.

REMEMBER WE'RE NOT JUST ANOTHER MAIL ORDER COMPANY...

All listed prices are what YOU PAY, and there are NO HIDDEN EXTRAS. VAT and postage are included, and prices are correct at time of going to press (Pack details may vary from time to time). Offers are subject to availability and to being the latest advertised packs and prices. Our offers are NOT supplied on a trial basis. **E&OE.**

FINANCE FACILITIES... tailored to suit your needs. Written details on request.

Gordon Harwood Computers offer facilities to purchase using our budget account scheme, APR 36.8% (Variable). Available to most adults of eighteen years or over, subject to status. Simply phone or write and we will send you written details along with an application form. Applications, required in advance, available to full time U.K. mainland residents and overseas British forces personnel. Showroom visitors, please ask for details of our in-store 'Instant Account'. Written quotations on request.

If you are already the holder of a Lombard Credit Charge Card you can use this to purchase from us (subject to your personal card limit).

VISIT OUR SPACIOUS SHOWROOM: Please pay us a visit where our full range of advertised products, at the SAME COMPETITIVE PRICES, & MORE, is on sale. 'ALL UNDER ONE ROOF', in pleasant surroundings at our purpose built showroom (See note below map). There's plenty of FREE parking close by.

OPENING TIMES: 9.00 until 5.00 Monday to Saturday
9.00 until 1.00 Wednesday. Closed on Sundays



GORDON HARWOOD HARWOOD HARWOOD

Computers



GORDON HARWOOD COMPUTERS
DEPARTMENT amf/G3, NEW STREET,
ALFRETON, DERBYSHIRE. DE5 7BP
TEL: 0773 836781 FAX: 0773 831040

Award Winners



**AWARD WINNERS PRESENTS 4 OF THE GREATEST GAMES
OF ALL TIME IN ONE FANTASTIC VALUE PACK.**

**GO ON SEE WHAT YOUR'RE MISSING -
AWARD WINNERS, 4 CLASSIC GAMES YOU
CANNOT AFFORD TO BE WITHOUT.**

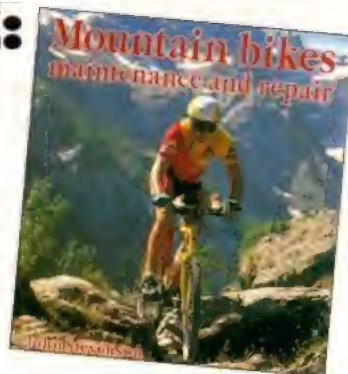
PIPE MANIA © 1989 EMPIRE SOFTWARE
KICK OFF 2 © 1990 ANCO SOFTWARE LTD
POPULOUS © 1989 BULLFROG PRODUCTIONS
© 1989 ELECTRONIC ARTS
ALL RIGHTS RESERVED

SPACE ACE AND DRAGON'S LAIR ARE REGISTERED
TRADEMARKS OWNED BY BLUTH GROUP LTD
© 1989 1990 BLUTH GROUP LTD
© 1989 1990 READYSOFT INCORPORATED



Practical

GRIME TIME: THE BOOK



MOUNTAIN BIKES: MAINTENANCE AND REPAIR

by John Stevenson

150 pages with over 130 photographs and illustrations

Yes, it's true, Deputy Editor of Mountain Biking UK, the man Stevenson has finally written a book. He reckons *Mountain Bikes: Maintenance and Repair* is the most useful workshop aid since the allen key, but then he would say that, wouldn't he?

Actually, it's packed with info on maintaining, repairing and upgrading your bike, clearly illustrated by cycling legend Graham Watson and MBUK photo ace Steve Behr. *Mountain Bikes: Maintenance and Repair* takes you through from fixing punctures to replacing forks and building wheels in John's usual, clear informative style, with step-by-step photos to guide you on your way.

Exploding the myth that you have to be genetically endowed with mechanical ability, John gives you all the instructions you need to maintain, repair or replace every component on your bike, helping you to tackle minor problems skilfully and even major ones with confidence. It's a must for all the mountain bikers who have ever wished they could have a knowledgeable mechanic at their side when they lift spanners and start work on their bikes.

The perfect Christmas pressie!



ORDER FORM

**Please send me _____ copies of MOUNTAIN BIKES:
MAINTENANCE AND REPAIR at £12.95 each plus £2.00
postage and packing. Cheques should be made payable to
Springfield Books Ltd.**

NAME: _____

ADDRESS:

POSTCODE: _____

Paying by Credit Card	ACCESS	AMEX	VISA
------------------------------	---------------	-------------	-------------

☐ ☐ ☐
CARD NUMBER

EXPIRY DATE:

CARDHOLDERS NAME:

CARDHOLDERS ADDRESS:.....

SIG: _____

AF

Now send this to:

**SPRINGFIELD BOOKS, Norman Road, Denby Dale,
Huddersfield, Yorkshire HD8 8TH.**

Telephone orders 0484 864955. Fax orders 0484 865443

THE REVIEW CREW



Once again, Neil Jackson is your host for this action-packed Screenplay, 'cos we couldn't get that bloke off the telly. Watsisname... Patrick Mower? Wasn't he in that rather naff detective series back in the Seventies?

ANDY HUTCHINSON

Influences: John Inman, Bill & Ted, Massey-Ferguson and hairdressers everywhere.

Fave Quote: "A bit to the left Sergeant, the top's come off."

Most Hated Game: *Out Run*.
Fave Game: *Powermonger*.



NEIL WEST

Influences: Mills and Boon, Lloyd George, Oliver North, Boy George and anyone from REM.

Fave Quote: "I didn't know you could do that with a potato."

Most Hated Game: *Cardiass*.
Fave Game: *Formula 1 GP*.



JAMES LEACH

Influences: The James-Master, Sid James, and James Hendrix.

Fave Quote: "I just don't care about fashion - as long as my clothes get me from A to B."

Most Hated Game: *Red Baron*.
Fave Game: *Battle Isles*.

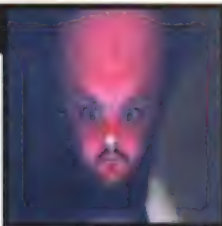


TIM SMITH

Influences: Sue Lawley, Brian Rix, Self-raising flour, Victor Korchnoi and The Turin Shroud.

Fave Quote: "Get away from me. I've heard you have fleas."

Most Hated Game: *LSL 5*.
Fave Game: *Falcon*.



ED RICKETTS

Influences: anything beginning with the letters F or Q, Walnuts.

Fave Quote: "Keeping the valves open increases the flow, unless it's raining in the tropics."

Most Hated Game: *Booly*.
Fave Game: *Knights of the Sky*.



PAUL TYRRELL

Influence: the Formula 1 racing team of the same name.

Fave Quote: "If you don't give me that flippin' Amiga back, I'll tell my flippin' Dad on you."

Most Hated Game: *Kiss Chase*.
Fave Game: *Lemmings*.

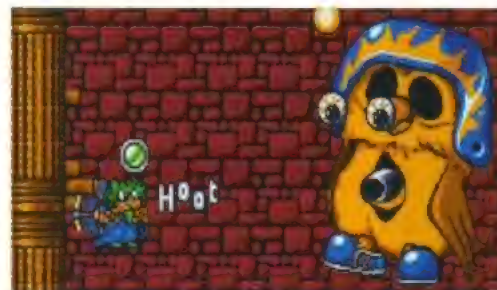


Screenplay

Welcome to another excitement-filled Screenplay, folks. If it's entertainment software you're after, you've come to the right place. Here, our resident team of, er, residents spend all the hours God gives toying endlessly with the latest releases. Ignore them only if you're heavily insured or own a Porsche.



PAGE 58 John Madden American Football touches down at last. What a conversion!



PAGE 67 Video Kid leaps into action. Is it all boyish pranks and no trousers?



PAGE 78 Leisure Suit Larry is back for another shmooze. Is this guy a prat or what?



PAGE 64 A game guaranteed to put the wind up you. Is the Storm Master all hot air?



PAGE 72 Let there be light! Fantasy role-play gets a boost from the dazzling Shadowlands.



PAGE 81 Do bagatelle boards have Pinball Dreams? This one is too real to sleep through.

JUST WHAT MAKES SCREENPLAY SO SPECIAL?

Our Screenplay Ed, Neil Jackson, explains why you can trust only our reviews.

Well, we take all the very latest games, as fresh as the moment the programmer went 'pop!' and play 'em hard to see what breaks. **Amiga Format's** Screenplay reviews are not half-baked or undercooked; we don't expect you to put up with a review on an unfinished game or a demo version.

Unlike some of our less-scrupulous competitors, we won't be brow-beaten into reviewing incomplete games just so we can scream "exclusive" at you. After all, you want to know what you can actually go out and buy at the shops, and so do we. So remember, if isn't in Screenplay, then it isn't ready yet!

Don't even think of turning the page!

How else are you going to know what's hot and what's not, if you don't take time out to check out the...

WORK IN PROGRESS



After his long voyage across the sea, Chris Columbus and pals pop into the nearest McD's for a bite to eat. Trouble is, Big Macs won't be invented for another 500 years.

Vicious rumour has it that during Noah's time at sea, there was nowhere on the Ark to put the mountains of, erm, ordure that all the creatures were creating. So, in a fit of desperation, he chucked it all over the side, and it stayed there for thousands of years, until Columbus discovered it and called it America.

Impressions's latest strategy-simulation, *Discovery in the Steps of Columbus*, sets out to recreate the explorer's legendary voyage, disprove the rumours and claim the land. But because most of us already know where America is, and would find it hard to miss when travelling west from Blighty, Impressions have moved it. Whether or not they've moved the tobacco, potatoes and Red Indians too, remains to be seen. Perhaps they'd all be better off left alone in peace.



This vast tract of African rainforest is disappearing at the rate of an acre every 30 seconds. By the time Activision's *Bushbuck* is ready, there'll be none left to explore. Plant a tree today!

Those cosmopolitan chaps over at Activision in France are just in the process of putting the finishing touches to *Bushbuck*, their first program since their grand re-shuffle. Set in the year 2010, *Bushbuck* is a giant Treasure Hunt sort of affair, but without the annoying Annika in tow. You skip around from country to country, searching for valuable artifacts and secret treasures, using the free airline tickets you're given at the beginning. Activision reckon it's not just a game – your knowledge of geography will be improved by the fascinating travelogue which includes 206 major cities in 175 countries. Look out for *Bushbuck* arriving over here sometime in April.

Meanwhile, at another airport, Impressions are busy warming up their forthcoming simulation, *Air Bucks*. This is a detailed simulation of airline management, putting you firmly into the shoes of Richard Branson. Can you turn a one-man operation with a knackered old Dakota into a multi-million dollar enterprise? If you're particularly adept at carrying people and cargo to the right places at the right times, you could end up owning your own Concorde, or maybe a couple of new Boeing 767s. You'll also need to be astute on the stock market, so that you can make sure your stockholders are happy. Will *Air Bucks* be a high-flyer, or will it crash and burn? Next month we may find out.

Centaur Software, the makers of *Fantastic Voyage*, announce this month that they are very busy working on a new game which is likely to be something rather special. They're hacking away at →

Coming

Plan 9 From Outer Space

Gremlin Expected: April

They must like taking risks, those guys at Gremlin. Only someone incredibly foolish or brilliant could even consider a computer version of *Plan 9 From Outer Space* – the 1959 B-movie which was universally hammered, slated and regarded as the worst movie of all time. But that's exactly what they're doing.

The film was a really, really low-budget affair (making even *Dr Who* look expensive by comparison), but it wasn't just this which made it so unforgettably awful. The actors, who included 1930s Gothic horror stars Bela Lugosi, Tor Johnson and Vampira, were more stiff and wooden than the Horse of Troy, but this was the least of their problems. Sadly, Bela Lugosi died during filming and had to be replaced by a 'double' – trouble was, the double looked nothing like Lugosi at all – but still the shooting carried on.

The resulting movie had cinema-goers rolling in the aisles when it was released. The continuity was terrible, the special effects were ridiculous and the plot was the most twisted and unbelievable piece of nonsense ever. *Plan 9 From Outer Space* became an instant classic, the lowest of the low, and has had a cult following ever since. And that's where Gremlin come in.

Rather than tar themselves with the same brush and release a naff game-of-the-film to match the naff film, Gremlin have put a new spin on the whole idea. You play the part of a private investigator who's been hired to track down the missing last reel of the movie. The game is basically a graphic adventure and you select the actions using a pre-prepared bank of verbs, phrases and sentences that are selected by mouse-control. En route, you visit various cinemas around the world and actually get to see snippets digitised from the original motion picture.

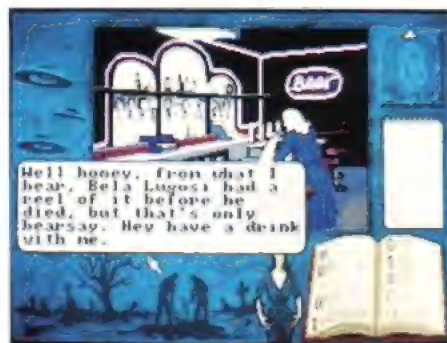
Movie-buffs will love it for its absurdity and tackiness, but what games-players will make of it has yet to be discovered.

Titus the Fox

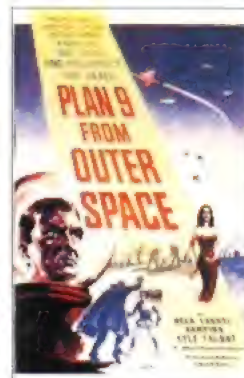
Titus Expected: April

Although this game has already been released in France, it's only just about to break over here. Touted as the new standard in platform games, it promises to be something a little out of the ordinary. It's certainly big – if that's anything to go by – rolling in at around 900 absolutely stunning screens on 16 deviously designed levels.

You take the role of Titus, a young fox on his way to rescue his love from Marrakech. As you journey there and back, you use skateboards and flying carpets as transport, dodging many strange enemies and getting into plenty of fights. Sounds a bit like any other platform game? Sure, but just wait till you see it – for once the hype could turn out to be true.



When a lonesome girl asks you to join her for a drinkie at the bar, it'd be rude not to, really.



Universally known as the worst movie, ever – *Plan 9 from Outer Space* is still something of a cult. Will Gremlin's version be as awful? It couldn't possibly be worse. Or could it?



You pay four quid for your seat and you still end up looking at the back of someone's head. Typical!



Titus the Fox looks set to be the last word in platform games. At last your Amiga could give Sonic and Mario a run for their money. 'Bout time, too.

Attractions

The Manager

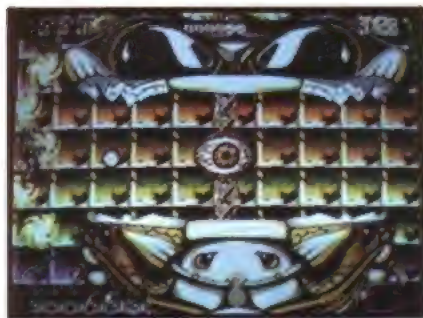
US Gold Expected: April



This footie sim is a cut above average and isn't the usual text-only spreadsheet, although there are statistics for all the league teams. As manager, you're responsible for arranging the right training, tactics and sponsorship deals. Come Saturday, you sit back and watch highlights of your team's game as animated sequences. It all sounds a bit predictable, but it's as absorbing and tense as the real thing.

Jim Power

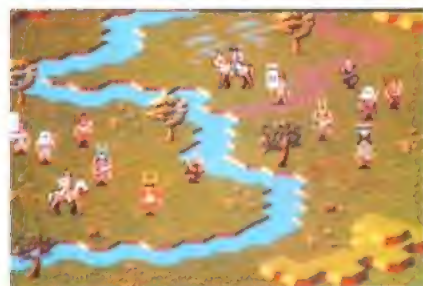
Loriciel Expected: April



When the President's daughter gets kidnapped, where's the last place you'd think of looking? Apparently she's been transported to a far-distant planet. Really plausible, huh? As Jim Power, muscle-builder extraordinaire, you hunt down the space-subversives and retrieve the girl. And the mutants? They include zombies, hounds, skulls and spiders – all distinctly earthly. Hackneyed, or what?

Samurai

Impressions Expected: April



First Samurai, now this. But this game's a lot different to the Format Gold-winning Vivid Image classic. As you'd expect from Impressions, this is another complex strategy war-game. As head of the Samurai army, your job is to guide hundreds of well-armed troops into battle, choose their formations and battle-plans. If it sounds or looks familiar, don't worry. It's just first impressions.

Beavers

Grandslam Expected: April



You are Jethro Beaver, a water-loving wood-muncher, and your lodge-in lover has been kidnapped. It's down to you to rescue her and stop the entire forest calling you a wimp. Four levels of woodland are home to a variety of wildlife, including raccoons with chainsaws and snowball-chucking rabbits. What next? Mutant hamsters kidnap gorilla's girlie, perhaps.

Championship Manager

Domark Expected: April



Everyone's going football crazy at the moment. Sadly, Domark must be crazier than most, because *Championship Manager* is all text-based with no animation, giving it that quaint, 1980s Spectrum-feel. Why? It was the overdose of text that relegated the old-style sims to the league of boffins and bored middle-managers. And this latest release looks set to have all the appeal of the physio's damp sponge.

Touchdown!

Strike Force Expected: April



Rather like a scaled-down version of *John Madden's Football*, *Touchdown* puts you in control of any NFL team and lets you call the plays. Although *Touchdown* also suffers from the 'text-heavy-simulation' problem which affects many sports-management games, it does have digitised screenshots to show the outcome of your calls. These add a bit of flavour, even though they don't animate. Not a patch on the real thing, but it's still worth watching.

⇒ *King of Karate*, touted as the world's first 24-bit colour game. It's being designed to work with their new OpalVision 24-bit graphics hardware, and features some of the most detailed animations that you'll ever see on your Amiga. Apparently, the game will be given away free with every OpalVision unit and these are due to be released during May. Prices are not yet available, but you can bet your life they're not going to be cheap.



Spot the Difference: one of the trees in this photo is different to the ones in the photo below. Five golf tees and a week in St Andrews hospital for the person who can tell us where exactly the ball will land.

Joining the ever growing club of golf-games is *Nick Faldo's Golf*, the new simulation from *Grandslam Video*. The game uses the familiar viewpoint behind the golfer while you're setting up the shot, but the camera swings round just as you hit the ball. This gives the ability to control both the up and down-swing, so you can realistically control the motion of the ball. All high-tech stuff, but *Grandslam* assure us it's all intuitive stuff. There's a caddy on hand, if it all seems a bit too tough, and he'll make recommendations about the club to use. He's also there to make snide comments about your shots, just so you know what to do better next time. If you've a modem handy, you can play a few holes with up to eight mates, or you could go for broke and attempt to beat the legendary Faldo himself.



Not a cloud in the sky, a beautiful sea view, and I have to go and get cramp in my back the moment a streaker runs out of the bushes.

Not to be outdone, the golfing fraternity at *US Golf* (sic) are beaver away on *Links*, which is their new eighteen-hole beauty. They're not telling us much about it at the moment, but an inside source has seen the game running. It looks excellent, but apparently there are a few problems with the screen update speed. Given time, *US Gold* will iron this out to make it more playable, but for now we'll just have to wait and see.

News is just coming from *Domark* that they are currently working on the next sequel to *Hard Drivin'* – *Race Drivin'*. The game features two new tracks in addition to the original four, a Super Stunt Track and a crazy off-road Auto Cross circuit. To cope with the new road styles, there are options for the kind of cars you drive. You can go for the high-revving Speedster, the robust roadster or the posey Sportster. The most promising aspect of *Race Drivin'* is the planned modem link which links two Amigas together. *Domark* are already proud of the improved speed of their new baby – if the graphics are up to it, *Race Drivin'* could be something of a hot cookie. We shall see when we take it on a test drive...

DYNAMITE



AMIGA A500 PLUS PACKS

STANDARD

Latest enhanced Amiga from Commodore with 1MB of RAM, Kickstart and Workbench Version 2.04. Complete with mouse, TV modulator, manuals etc.

£299.99

CARTOON CLASSICS

Contents as standard pack plus the following:- The Simpsons • Captain Planet • Lemmings • DeLuxe Paint III

£324.99

DYNAMITE HEROES PACK

Latest enhanced Amiga from Commodore with 1MB of RAM, Contents as Cartoon Classics Pack plus:- Robocop • Batman-The Movie • Indiana Jones • Ghostbusters II • Microswitch Joystick • Dustcover • Mousemat

£339.99

COLOUR MONITORS

DYNAMITE EXCLUSIVE

PHILLIPS 3332 15" FST TV/MONITOR

High quality FST TV with dedicated monitor output. Complete with remote control, sleep timer, cable and a 2 year guarantee!

PLUS FREE F19 STEALTH FIGHTER

All this for the DYNAMITE price of

£239.99

PHILLIPS 8833 MKII DEDICATED STEREO MONITOR

Complete with cable

£229.99

COMMODORE 1084S STEREO MONITOR

Complete with cable

£229.99

ART • VIDEO • SOUND

DELUXE PAINT II - a bargain! £9.99

DELUXE PAINT III - upgradeable to IV £19.99

SPRITZ PAINT - joyful to use! £9.99

FANTAVISION - special effects generator £14.99

COMIC SETTER - create your own colour comic £19.99

POWER SCANNER - 100-400 dpi, 64 greyscales £99.95

* FREE SPRITZ PAINT WITH POWER SCANNER WHILE STOCKS LAST!

VIDI - AMIGA + VIDI CHROME - start frame grabbing £79.99

ROMBO RGB SPLITTER - Can also be used with DIGIVIEW £59.99

COMPLETE COLOUR SOLUTION - everything you need + PHOTON PAINT £129.99

MUSIC X JUNIOR - brilliant for beginners £19.95

4 PORT MIDI + MUSIC X JUNIOR - excellent combo £29.95

MUSIC X - latest version for the professional £49.95

KLONDIKE DEALS

**DYNAMITE COMPUTERS
DIG DEEP FOR
THESE SPECIAL
BARGAINS....**

CARTOON CLASSICS SOFTWARE PACK

Bart Simpson .v. Space Mutants • Lemmings • Captain Planet £19.99

'SCREEN GEMS' SOFTWARE PACK

Back To The Future II • Nightbreed • Shadow Of The Beast II • Days Of Thunder £19.99

OFFICIAL COMMODORE A501 1/2 Meg Upgrade £29.99

ASTRA TEN GAME SOFTWARE PACK RRP £279

DataStorm • Dungeon Quest • E-Motion • Grand Monster Slam • Kid Gloves • Powerplay • RVF Honda • Shuffle Pack Café • Soccer • Tower Of Babel £19.99

GFA BASIC 3.5 INTERPRETER RRP £49.95 £14.99

COMPUTERS

DISK DRIVES

FREE DYNAMITE DISK DRIVE STARTER KIT WITH EVERY DRIVE PURCHASED FROM THIS SECTION!
Starter Kit comprises:- 3 1/2" disk drive cleaner kit • Pack of ten 3 1/2" disks • 40 capacity lockable disk box

3 1/2" INTERNAL

DIRECT A500 replacement drive, no modifications required

£49.99

3 1/2" EXTERNAL

PC880A POWER DRIVE featuring anti-click

£49.99

CUMANA CAX 354 slimline drive

£54.99

PC880B POWER DRIVE featuring Blitz/Virus hardware

£69.99

DUAL PC880B POWER DRIVE with built in power supply

£119.99

GVP SERIES II HARD DRIVE

GVP Series II HD8 + 52Mb hard disk

£359.99

GVP Series II HD8 + 105Mb hard disk

£539.99

2Mb RAM for above

£39.99

THE PRICE BLASTERS

HOW TO ORDER



Call us NOW on
0234 214212



Send cheque or postal order to

DYNAMITE COMPUTERS
 Dynamite House
 44a Stanley Street
 Bedford MK41 7RW

NB Please write cheque guarantee card number on the reverse of cheque to ensure same day clearance (cheques without card number subject to 10 day clearance)

Call into our showroom for a fast and friendly service

Retail/Queries 0234 364428



DELIVERY CHARGES*



£2.95 for orders less than £100

£4.95 for orders over £100

Next day express service £7.50

*Charges applicable to UK mainland only

PLATINUM SERVICE CARD

Only £19.99!

Features: •Next day courier delivery

•30 day exchange for new

•1 year guarantee giving

free collection and delivery should a fault occur

STAR/CITIZEN PRINTERS

CITIZEN 120D+ RRP £233.83
 144/30 CPS, 4K Buffer, 2yr guarantee

£114.99

STAR LC20 RRP £233.83
 150/38 CPS, Multiple Fonts, 240x240 dpi

£129.99

CITIZEN SWIFT 9 RRP £280.83
 192/48 CPS, colour kit option, 2 yr guarantee

£169.99

STAR LC200 COLOUR RRP £304.33
 185/40 cps, with colour & mono ribbon

£184.99

CITIZEN 224 (New) RRP £316.08
 192/80 cps, colour kit option, 2 yr guarantee

£214.99

STAR LC24-200 MONO RRP £351.33
 220/55 cps, 24 pin 360 dpi,
 7K Buffer expandable to
 39K

£219.99

CITIZEN PN48 (New) RRP £381.88
 Portable A4 notebook
 printer with 'laser quality'

£249.99

STAR LC24-200 COLOUR RRP £410.08
 220/55 cps, 24 pin
 colour, 30K buffer

£259.99

CITIZEN SWIFT 24e RRP £428.88
 216/80 cps, colour
 option, 2 yr guarantee

£269.99

ACCESSORIES

Parallel Printer Cable.....

£3.99

Universal Printer Stand.....

£3.99

500 sheets of continuous
 paper.....

£4.99

Colour kit option for

Swift 9/224/24e.....

£34.95

ACCESSORIES & EXTRAS

Pack of 10 blank 3 1/2" DS/DD disks

£4.99

Box of 50 blank 3 1/2" DS/DD disks ..

£19.99

512K RAM expansion

(Plus compatible)

£19.99

512K RAM expansion with clock

£24.99

1Mb RAM expansion (upgrades

Plus to 2Mb)

£49.99

Amiga dustcover + Resolution 101
 game

£4.99

Quality replacement mouse

£12.99

40 capacity lockable disk box

£3.99

80 capacity lockable disk box

£5.99

150 capacity 'stronghold' box
 (lockable)

£17.99

6mm quality mousepad

£2.99

ALL PRICES INCLUDE VAT at 17.5%

TO PLACE YOUR ORDER PHONE THE DYNAMITE HOTLINE

0234 214212

DYNAMITE HOUSE, 44a STANLEY STREET, BEDFORD

DYNAMITE





This month, we've found not one, but three new games, all being developed by the same team.

Neil Jackson drops in on the wacky lads at Sensible Software and finds out if they're really just...

Senses working overtime



Last year, these three were making waves with their latest game, *Mega lo Mania*. They are (from left to right) Chris Yates, John Hare and Chris Chapman. What are they up to now? And just how sensible is it?

Beside a small, out-of-the-way Cambridge branch line, a group of lads toil away at their latest game-ideas, oblivious to the sounds of the shunting wagons, clanking locomotives – and doorbells. After the fifth ring and still no reply, it was obvious that things were getting silly, not Sensible. A phone call from the local pub eventually makes contact, and we finally enter the lair of one of the oldest and most accomplished development teams in the UK.

The wiz kids

Our hosts are John Hare and Chris Yates, the founders of Sensible Software. They first achieved fame back in 1986, when they released *Wizball*. Six years later, with *Mega-lo-Mania* under their belts, they're revitalising their long-forgotten 'Wiz' in the form of *Wizkid*, a strange and amusing game for Ocean. On the surface, it's a cutesy-style arcade game, full of kid-appeal, in which you have to rescue your wizard's lost cats. Reading between the lines, you'll find oodles of semi-adult jokes which will sail harmlessly over the heads of most ten-year-olds.

Wizkid doesn't follow many of the pre-conceived ideas which you normally expect from arcade games. Instead, it's an incredibly varied and ultimately bizarre romp through many different kinds of game. There are complex puzzles to solve, items to buy and use, and even a hidden sub-level from the old

Weirdness abounds in Sensible's new cutesy-arcade game, *Wizkid*. Featuring their favourite creation from the classic *Wizball*, this game is really something out of the ordinary. Where else can you beat a butterfly to death with a bag of peanuts?

Sensible Soccer it's called, and once you've played a few matches it's anything but. Superb fun, with a distinct Kick Off-beating flavour to it. If this isn't a hit, then the world's gone crazy.



Wizball game. All these disparate ideas are tied together by a special quest to collect musical notes which play a bonus tune when complete. All very odd stuff, but a sure-fire hit, if ever there was one.

Kicking away

Meanwhile, in another part of Sensible's huge open-plan office, two other guys are slaving over another new design. *Sensible Soccer*, which is due to be completed in June, is the work of Jules Jameson and Chris Chapman. They're setting out to create a game that will give Anco's *Kick Off 2* a run for its money. John Hare explains that while *Kick Off 2* was certainly great, it still had a few problems. "The scale of the pitch was awkward – you'd run down the screen, and then find you were a lot further to one side of the goal mouth than you thought." So, *Sensible Soccer* uses a smaller scale, plus the Amiga's overscan mode to give you the largest picture possible. The

result is far more playable, and shots for goal stand a better chance of reaching the mark.

You can compete in the UEFA Cup, the European Cup Winners Cup and the European Championships and depending on where you're playing, the supporters make different noises. English supporters chant the usual rowdy songs, while Italians let off firecrackers. And in case the action on the pitch gets rough, Sensible have included a subs bench, complete with a manager and physio, which enables you to change tactics and attend to injured players mid-match. "The physio's great," says John. "He may bring your bloke off the pitch a bit early, but he prevents any real harm from occurring. If you ignore him, then your man may be seriously injured and out for the rest of the season." The risk is yours to take.

Military Madness

As if that wasn't enough, John and Chris are also working on another top-secret design which has been given the working title of *Cannon Fodder*. It's a cross between an Impressions-style war-game and an isometric arcade game, in which you control a combat group. But instead of the usual slow, step-by-step command system, *Cannon Fodder* is solid real-time action.

At your disposal, you have a platoon of initially untrained soldiers and a wealth of military hardware. You assign the various members of your platoon to specific tasks: one is the leader, another drives a jeep or a tank, and another flies a chopper. Depending on their skill levels, each soldier either helps or hinders the overall mission. Unskilled pilots, for example, can cause untold damage, especially if they crash a chopper full of squaddies.

Currently, *Cannon Fodder* is a game looking for a publisher, but John doesn't think they'll have any problems finding one. "We'll get all that sorted when we've got more of it running", he says casually as another train rattles past the window. With a track record like Sensible's, there's no doubt John's right. ☺



A taster of the action due from Sensible's forthcoming *Cannon Fodder*. It's an all-action war-game, with just a hint of strategy and lots of military mis-management.

JUMP AT IT!

PARASOL STARS

RAINBOW ISLANDS 2



COMMODORE
64
ATARI ST
CBM
AMIGA

ocean[®]

TAITO

More Speed. More Memory.



Greater capacity - Greater capabilities.

The protar A 500 HD Series -
The ultimate Hard Disk Drive.
Your Amiga will have capabilities
beyond your wildest dreams.

protar A 500 HD.
Capacity 20 MB - 160 MB.
On-board-RAM Option up to 8 MB.
SCSI-Interface.
1 year replacement warranty.
2 years for Hard Disks with Cache.

Flexible capacity for professionals.
Made in Germany.

Request for further information at
protar Ltd. • Park House • Greenhill Crescent
Watford Business Park • Watford Herts WD1 8QU
Tel. 092 354 133/24 23 07 • Fax 092 321 20 46





Empire are just about to launch a full-scale Campaign to prove that war-games are not just for military-heads. One look at their forthcoming release and you'll think there's still a war on out there.

You'd think that one tank game at a time was enough for anyone, but Empire are having a field day with them at the moment. Not only are they trundling along with their *Pacific Islands* (due any day now), they're also hard at work on another tank-orientated strategy game. *Campaign* is the work of Jonathan Griffiths, previously known for *Conqueror*, the tank game which used elements of David Braben's *Virus* game code. Two years down the line, Jonathan has managed to turn *Conqueror* into a full-scale strategy game, with the Braben code still forming a small part of this immense project.

War! What is it good for?

The resulting *Campaign* is a cross between a standard war-game (like *UMS*) and a 3D tank simulation (like *M1 Tank Platoon*). The game has both action and strategy aspects and it allows you to decide the mix of both.

At General level, you are responsible for organising the entire campaign (the default campaign is the Dunkirk D-Day landings). This includes the management of production resources, the movement of fleets of ships, the airforce and supply operations as well as simple tank engagements.

Using a large-scale map, you can position any type of military force anywhere you like, and as large as you like. You can even edit the map to put in new roads, rivers, forests and towns, just to make your scenario more interesting. You even have the ability to create mountains and hills, or their opposite - lakes - using the mouse pointer.



Campaign promises to be a major hit for all you budding Generals. The large-scale map of Europe enables you to place any of your troops in their starting positions before the battle commences.

Campaign

Empire Expected: May

Down on the battlefield, the action heats up. You can guide your tanks around one by one, or you can leave it all to the computer if strategy is your thing. Either way, you can recreate the Second World War from the safety of your own home.



Landscapes can be saved and loaded from disk, so that you can build up a collection of different campaigns.

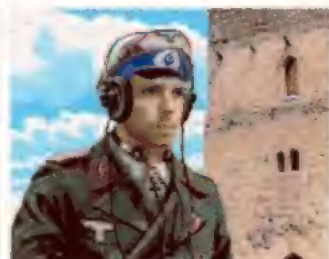
Assuming that you've begun a campaign and stationed your tanks (while you were at the General level), you can zoom into the map to see individual battles resolve. At this level, you can direct tiny tank icons on a local-sized map into the conflict and keep an eye on them all at once. You can make the computer handle all the aiming, firing and driving while you merely tell them where to go.

Get into the thick of it

If the action gets too hot to handle at the Battalion level, you can move right into the turret of any tank. Here you see a first-person view of the battle from your position atop the tank. Everything is drawn using flight-sim style 3D filled-polygons, but despite this the screen update is fast and the tanks are very easy to control. You can perform any of the tasks within the tank, or you can off-load them to the computer. In this way, you can make the computer handle the driving, while you work the main gun and take potshots at the enemy.

Campaign easily has as much scope as the ancient *UMS* - the only other war-game with similar detail and controllability - but *Campaign's* action is far more realistic. It's also much quicker and more accessible, which could make it the best military simulation around. As usual, only an in-depth review of the finished program will reveal the full story. Watch out for this next month.

PAINTING PICTURES ON A BATTLEFIELD



With a bit of perseverance, anything's possible in *DPaint*. This German tank commander was created from one of Saul's photos and a print of an old uniform.



Campaign's cinema-style intro sequence is like a short extract from a war film. But it's all home grown on the Amiga, and it speaks volumes about what your machine can do.



Using digitised backdrops of the inside of a Jagdpanther, Saul creates the perfect setting for a German gunner. In the final version, animated lips are overlaid.

Like many games on the Amiga, *Campaign* features a three-minute introduction sequence to get you in the mood. But *Campaign's* is a cut above the average title-screen-and-pleasant-music intro. Instead, it's a cinema-style animated sequence that'll knock your socks off.

Created by former Activision producer and freelance artist Saul Marchese, the sequence took two solid months of work on *DPaint 3*. But that's only half the story. The sequence called for a number of Russian and

German WWII tanks engaging in battle, and these are hard to come by. To get round the problem, Saul built several models, including Tamiya 1/35th scale versions of the German Jagdpanther and Russian T-34. After painting, the models were digitised using a video camera and frame-grabbing equipment. For the realistic Austrian backgrounds, Saul digitised hundreds of different scenes from holiday brochures, selecting ones with the most appropriate buildings and perspective. These could then be montaged together in *DPaint*.

The majority of the work involved retouching each backdrop and tank and then combining them together to form a realistic scene. Next, each scene had to have individual frames of animation created, so that the tanks and soldiers would move naturally. The storyboard called for speech which involved hours of lip-sync work. For this, Saul digitised himself, filming each individual mouth position, so that the sampled speech (provided by music developers, Skinnybone) would match the graphics in the final sequence.

AMIGA SOFTMACHINE AMIGA



COMMODORE HARDWARE

A500	£299.99
A500 Plus Cartoon Classics	£349.99
A500 First Steps	£459.99
A1500 or A2000 with WB2	£559.99
A2000 WB2 + AI Bridgeboard	£829.99
A2000 WB2 + 105Mb HD	£859.99
A3000 25MHz + 50Mb HD	£2749.99
A3000 25MHz + 105Mb HD	£3024.99
A1084S Colour Monitor	£254.99
A1960 Multisync Monitor	£439.99
A390 20Mb HD	£294.99
A1011 1Mb 3.5" Drive	£79.99
A501 Ram Expansion/Clock	£44.99
A520 TV Modulator	£29.99

GVP SERIES II HD8+ A500



- 52Mb or 105Mb Options
- 11ms Access
- Internal RAM expansion up to 8Mb
- Game "Disable" switch
- Mini-slot for future expansion
- Supplied with PSU

52Mb **£359.99** 105Mb **£524.99**

CUMANA 3.5" DISK DRIVE

Cumana CAX354 3.5" drive

- High speed access
- Low power consumption
- Through port

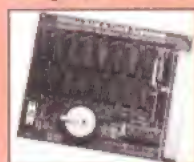


- Enable/disable switch
- Capacity 880K formatted

£54.99

Microbotics Ram Expansion

- Microbotics M501s 512k fast ram expansion
- Expand your Amiga 500's memory to 1 megabyte internally



- Battery backed clock with calendar
- On/Off switch
- Comparable to Commodore A501

● Only **£29.99**

Microbotics RAM Expansions

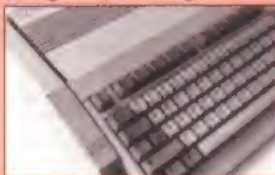
- M502 1Mb RAM expansion for A500 Plus
- Expand your A500 Plus chip memory to 2Mb
- Functionally and electrically identical to the equivalent Commodore part



£44.99

SupraRAM 500RX

- SupraRam 500RX for Amiga 500 Computers
- Options of 0.5, 1.82Mb using 256k Zip Ram
- Options of 2, 4, & 8Mb using 1Mb Zip Ram
- Zero wait states & hidden refresh
- Auto configuring
- Amiga bus pass-through



- Options from £109.99
- 2Mb option using 2Mb of 1Mb zip RAM chips

£169.99

Microbotics VXL30 68030Accelerator

- Turbocharge you A500/1500/2000 with this 32-Bit 68030 based accelerator
- 25Mhz version only £249.99
- 40Mhz version only £394.99
- Optional 68881/2 FPU £130.00
- 2 & 8Mb 32-Bit memory TBA



THAT'S A MOUSE



- Operates in a small desktop area - 70% less than Commodore equivalent
- Offers 290 dpi resolution & genuine microswitched buttons
- 12 month warranty

£14.99

Philips 8833/II

- 1 year on-site warranty
- 14" colour monitor
- 640 x 200 pixels on RGB input



- Supplied complete with cables
- Optional tilt/swivel base available
- Free F-19 Stealth Fighter

£239.99

SOFTWARE

WORDPROCESSORS

Excellence 2	£59.95
Interword	£31.95
Kindwords 2	£36.95
Pen Pal	£59.95
Protext v4.3	£49.95
Protext v5.5	£102.95
Pro Write v3.2	£102.95
Quickwrite	£42.95
Scribble Platinum	£42.95
Transwrite 2	£34.95
Word Perfect	£192.95
Wordworth v1.1	£89.95

SPREADSHEETS

Advantage	£76.95
DG Calc	£27.95
K-Spread 4	£76.95
Maxiplan Plus	£51.95
Pro Calc	£164.95

ACCOUNTS

Cashbook Combo	£54.95
Cashbook Controller	£34.95
Home Accounts 2	£37.95
Home Accounts	£21.95
Personal Finance Manager	£22.95
System 3	£34.95

DESKTOP PUBLISHING

Gold Disk Type	each £31.95
Outline Fonts	£99.95
Pagesetter II	£46.95
Pagestream v2.1	£164.95
Proclips	£21.95
Professional Page v2.1	£199.95

DATABASES

Home Base	£24.95
K-Data	£37.95
Prodata	£67.95
Superbase Personal 2	£34.95
Superbase Professional 4	£164.95

UTILITIES

Cross DOS	£24.95
Can Do	£89.95
GB Route	£27.95
GB Route Plus	£59.95
K-Comm 2	£37.95
Quarterback	£39.95
Quarterback Tools	£59.95

EFFECTS/PRESENTATION/TITLING

Big Ait Scroller	£42.95
Broadcast Titler 2	£189.95
Home Titler	£34.95
HyperBook	£54.95
Pro Titler	£126.95
Scala 500	£94.95
Scala 1Mb	£199.95
Title Page	£134.95
TV Show v2	£56.95
TV Text Professional	£94.95
Video Titler 3D	£78.95

AUDIO MUSIC

Audiomaster IV	£46.95
Audition 4	£42.95
Bars & Pipes Prof	£222.95
Dr Ts Copyist App	£94.95
Dr Ts Copyist DTP	£219.95
Dr Ts KCS Level II 3.5	£264.95
Dr Ts Phantom	£219.95
Dr Ts Tiger Cub	£94.95
Dr Ts X-OR	£209.95
Jam	£89.95
Music X	£99.95
Quartet	£36.95

ASSEMBLERS/COMPILERS/LANGUAGES

AMOS	£34.95
AMOS 3D	£24.99
AMOS Compiler	£21.95
Devpac 3	£49.95
GFA Basic Compiler	£22.95
GFA Basic Interpreter	£39.95
Hisoft Basic	£52.95
Hisoft Extend	£14.95
Highspeed Pascal	£74.95
K-Seka Assembler	£37.95
Lattice C v5.01	£174.95

3D/ANIMATION/CAD/GRAPHICS

Amiga Vision	£95.95
Art Department	£55.95
Art Department Pro	£134.95
Deluxe Paint IV	£64.95
Deluxe Print II	£39.95
Deluxe Video III	£69.95
Design Works	£84.95
Director 2	£97.95
Disney Animation Studio	£84.95
Draw 4D	£149.95
Imagine	£194.95
PIXmate	£38.95
Professional Draw v2	£99.95
Real 3D Beginners	£127.95
Real 3D Pro Turbo	£359.95
Spectracolour	£58.95
Take 2	£84.95

EDUCATIONAL

Better Maths 12-16 yrs	£19.95
Better Spelling Over 8	£19.95
Fun School 2 Under 6	£14.95
Fun School 2 6-8	£14.95
Fun School 2 Over 8	£14.95
Fun School 3 or 4 Under 5	£17.95
Fun School 3 or 4 5-7	£17.95
Fun School 3 or 4 Over 7	£17.95
Kids Type	£12.95
Magic Maths 4-8 yrs	£19.95
Maths Mania 8-12 yrs	£19.95
M Beacon Teaches Typing	£22.95
Mega Maths A-level	£20.95
Micro English GCSE	£20.95
Micro French GCSE	£20.95
Micro Maths GCSE	£20.95
Primary Maths 3-12 yrs	£20.95
The Three Bears	£19.95
The French Mistress	£14.95
The German Master	£14.95
The Italian Tutor	£14.95
The Spanish Tutor	£14.95

HARDWARE/PERIPHERALS

Citizen 1200+	£124.99
Citizen 224 colour	£249.99
Citizen Swift 9 colour	£194.99
Citizen Swift 24e colour	£284.99
HP Deskjet 500	£379.99
HP Deskjet 500 colour	£614.99
Star LC-20	£144.99
Star LC-24-10	£194.99
Star LC200 colour	£199.99
Star LC24-200	£234.99
Star LC24-200 colour	£299.99
Supra 500XP 52HD A500	£324.99
AT Once Plus	£209.99
Mediastation	£144.99
Roegen	£89.99
Roegen Plus Genlock	£139.99
Rocklife 1Mb 3.5" drive	£59.99
Supra 2400 Plus Modem	£169.99
Supra 2400 Modem	£114.99
Audio Engineer 2 Plus	£179.99
Stereomaster	£29.99
Perfect Sound	£49.99
Technosound Turbo	£29.99
Soundmaster	£109.99
Naksha Mouse	£24.99
That's a Mouse	£14.99
Universal Monitor Stand	£11.99
Universal Printer Stand	£6.99
Centronics Printer Cable	£4.99
Mail Connector + cables	£24.99
RS232 Cable	£9.99
Scart Cable	£10.99
3.5" 40 Capacity Box	£4.99
3.5" 80 Capacity Box	£6.99
3.5" 150 Capacity Passo Box	£19.99
10 x Sony Bulk 3.5"	£5.99
10 x Sony MFD2DD 3.5" DS/DD	£7.99
10 x TDK MFD2DD 3.5" DS/DD	£7.99
50 x Sony Bulk 3.5"	£24.99
100 x Sony Bulk 3.5"	£44.99
AMAS 2	£69.99

Please call us for a price on any hardware, software or peripherals you may require but can't see listed



SOFTMACHINE

Dept AMF 4, 20 Bridge House, Bridge Street, Sunderland, SR1 1TE
Sales Tel: (091) 510 2666 Enquiries Tel: (091) 510 2777 Fax: (091) 564 1960

Goods are not offered on a trial basis. Goods are offered for sale subject to our conditions of sale.



Callers welcome.
Our hours of business are
9.30am till 5.30pm
Monday to Saturday

Mail order specialists since 1983, Dimension Computers offer a huge range of PC's and peripherals from the World's leading manufacturers at substantial savings.

ALL PRICES INCLUDE VAT

DIMENSION COMPUTERS ltd.

**DIMENSION HOUSE,
HIGH STREET,
LEICESTER LE1 4FP.**

Open: Monday – Friday
9.30am – 5.30pm

Open: Saturday
9.00am – 5.30pm

THE MIDLANDS' LARGEST COMPUTER DEALER

AMIGA

500 + Computer
Commodore mouse
TV modulator
Power supply
Workbench disk
Workbench extras disk
All leads and manuals
Mouse mat
Joystick or disk box



3 blank disks
Help sheet
PD catalogue
1Mb memory

The Simpsons,
Lemmings,
Captain Planet,
DPaint III
Plus 16 more games

21 Utilities including FINDEX (card style database). SPREAD (spreadsheet). TEXT ENGINE (wordprocessor). VIRUS X (checks for/kills viri) complete with full operating instructions on disks

SPECIAL PRICE £349.00



Commodore CDTV
Lemmings, Hutchinsons
Encyclopedia control pad.....**£459.00**
As above, plus
external 3 1/2" disk drive.....**£499.00**
As pack 2 plus stereo
speakers, internal amplifier.....**£529.00**
KEYBOARD.....£49.95

BUSINESS SOFTWARE

Mavis Beacon Typing**£29.99**
Pen Pal**£74.99**
Kindwords 2**£44.99**
Infofile**£44.99**
Deluxe Paint 4**£84.99**
Mr Backup Pro**£27.99**

PHONE FOR COMPLETE RANGE

AMIGA 1500 BUNDLE

Includes:

DELUXE PAINT III
PLATINUM THE WORKS
HOME ACCOUNTS – DIGITA
LEISURE SOFTWARE

£549.00

MEMORY EXPANSION

ZYDEC 512K + CLOCK.....**£29.95**
ZYDEC 512K NO CLOCK.....**£24.95**
A500 + 1Mb Trapdoor Expansion...**POA**

MEMORY CHIPS FOR H/DRIVES:

256K x 4 drams**£9.99**
1Mb x 9 simms.....**£49.99**

PRINTERS

Panasonic

Canon

SEIKOSHA

star
COMPUTER PRINTERS

1170**£139.82**
1124i**£233.82**
1123**£176.25**
1624**£374.82**
P4450i LASER**£1227.87**
P4420 LASER**£771.97**
4455 LASER**£1761.32**

BJ10EX**£233.82**
BJ300**£421.82**
BJ330**£468.82**
LBP4 Plus LASER.....**£750.82**
LBP8 Plus LASER.....**£1256.07**
Mk III LASER.....**£1209.07**

SP2400**£139.82**
SP1900+**£111.62**
SL92**£186.82**
SP2415**£222.07**
LT20 (under laptop).....**£257.32**
OP104 LASER**£668.57**

LC200 COLOUR.....**£186.82**
LC24/200**£215.02**
LC24/200 COLOUR**£264.37**
LC20**£128.07**
LC15**£227.95**
LC24/10**£175.07**
LC24/15**£386.57**

FR10**£229.12**
FR15**£325.47**
ZA200**£316.07**
ZA250**£410.07**
XB24/200**£386.57**
XB24/250**£464.12**
Starlaser 4 LASER**£692.07**
Starlaser 8 LASER**£821.32**
Starscript 4 LASER**£1009.32**
Starscript 8 LASER**£1455.82**

MIRACLE

Piano Teaching System incs. Professional Keyboard designed to work with your Nintendo, IBM PC & Compatible computer or Commodore/Amiga

£289.99

MONITORS MONITOR TV's

GOLDSTAR MONITOR/TV

14" remote control TV 40 programme memory capability full function on screen display**£189.00**
PHILIPS 8833 MK II (inc lead)**£219.00**

ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.
ALL ITEMS SUBJECT TO AVAILABILITY.
ADD £7.00 PER BOX CARRIAGE AND PACKING ON ANY ORDER.
GOODS ARE NORMALLY DESPATCHED WITHIN 2 WORKING DAYS OF CLEARED PAYMENT BY OVERNIGHT COURIER.
PLEASE ALLOW 7 WORKING DAYS FOR CHEQUE CLEARANCE.

DRIVES

SUPRA H/Drive 52 Mb + utilities**£339.00**
EXTERNAL 3 1/2", long length lead, on/off switch, thru-port**£59.99**
INTERNAL 3 1/2" replacement drive**£69.00**

ESSENTIAL ITEMS

QTEC MOUSE**£19.99**
ZYFI STEREO SPEAKERS.....**£39.95**
DELUXE WORKSTATION (A500)**£49.99**

SALES &
ENQUIRY DESK

0533 517479 / 621874

FAX ENQUIRIES
0533 511638

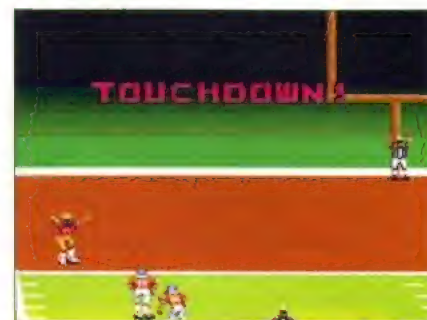




Why is it that most sport sims are dead boring? We've all seen them, masquerading as accounts packages, with no action. But they're not all like that, y'know.

Electronic Arts have managed to capture all the action and excitement of the NFL in John Madden American football. At last someone's produced a version of the sport worth playing.

John Madden American Football



If you're lucky enough to make it over the line, your player immediately turns into a dancing fool, in true over-zealous American style.

Touchdowns, quarterbacks, tight-ends, first downs – it's all gobbledegook, isn't it? That's the usual response you get this side of the Atlantic, whenever you ask someone about American football. For years now, it's been regarded as an inferior game, compared to our own soccer and rugby. But the times, they are a-changing, and Electronic Arts know this. We even have our own British team, the London Monarchs, and they're currently the World Champions. So maybe now is just the right time to kick off with *John Madden American Football*.

The trouble with American football (or so the story goes), is that it's too stop-start, with too many adverts and too much going on at once. It's impossible to follow the action. Some of this is true, but like any sport, it has to be learnt so you can understand what's happening. Not just a great game, *John Madden American Football* is the perfect study-aid. It's a far cry from the text-based strategy games which have traditionally been the way to play American Football on computer. Instead, a pseudo-3D view shows you the action and you guide selected members of your team around the field, rather like you can in *Kick Off 2*.

Everything's here – even the chain gang, who stand by the side of the pitch and show you if you've made ten yards. If you get brought down behind the chains, even more yards are added.

In *John Madden*, there are different offensive and defensive team set-ups to choose, ranging from the tough-guys (BIG) to the grade-A catchers (HANDS). There are five different offensive formations which they can start from – including the Shotgun (a give-away passing formation) and the Pro-Form (a less obvious pass-or-run set-up). Each formation has six different running or passing patterns to choose from – so even if the defenders know you're likely to pass, they still don't know who to, or where he'll be at the crucial moment.

More formations than the Red Arrows

The teams, formations and plays are chosen from menus which appear while the teams are in the huddle. You move the joystick left or right to bring three possible arrangements into view, and then use a combination of joystick direction and fire button to select one. This way, if you're playing against a human opponent, he can see the team you're bringing onto the field, and he can narrow your formation and play down to one of three. As soon as you line up, he can see the formation – and he can guess which is the most likely play you'll use. Meanwhile, you can see which defensive formation he's chosen, and make a fair guess at whether he's going to come crashing in to sack your quarterback (a blitz) or just block your receivers downfield.

Once both sides have chosen their formations and their intended plays, they trot over to the line of scrimmage where the ball is placed. The play menus disappear, allowing you to see a large portion of the pitch. If you're the offensive team (ie, you have possession of the ball – you're not just the ones who swear loudest), you grab the ball, chuck it backwards to the quarterback and the play begins in earnest. But before you pick up (or snap) the ball, you can try to fool the defenders with a fake snap, by pulling backwards on the stick. Your quarterback shouts "hut, hut, hut" (which indicates a snap is imminent). If the defensive team is fooled and moves over the line, they get penalised five yards and you start again, closer to the goal line.

Snap the ball, not your back

As well as faking snaps, you can change plays at the line. If you've noticed that the defensive team has brought on its biggest players, and they're all standing at the line, you can be pretty sure of a blitz. If you've already called a passing play, there's a real risk that your quarterback will be squashed before he can pass, losing you lots of yards. By moving the joystick forwards before the snap, you make the quarterback call an anti-blitz play. He shouts "Blue Forty-Two" or something similar, and your team-members rearrange themselves in a hurry, so that you can run with the ball instead



For the extra point, you need to kick the ball clean over the crossbar, before the defending hulks run round and squash you into the AstroTurf.



of passing. Follow it up with a quick snap, and the defense is left with its pants down, looking for the non-existent pass. It's all in the tactics.

If all this sounds like it's still too complicated, there's no need to worry. Whether you're playing another person or the computer, you have the option to simply call the plays and do nothing else. Your Amiga can move your players into the positions you've chosen, and even handle passing and running with the ball. If you want to do the running bit, but you can't manage the more difficult passing, you can call a passing play, and wait until the ball is in the receiver's hands. If you move the joystick then, you take control. You can do this any time after the ball is snapped, or just leave it to resolve itself. Once the ball hits the turf, you're back to play-calling again and the process starts over. This neat option allows you to be coach, quarterback, receiver or blocker as the fancy takes you.

Over the shoulder

There are oodles of hours of gameplay inside *John Madden American Football*. With a mate, it's even better, whether you're just having a friendly one-off match, or a full-scale contest heading for the Super Bowl. And it doesn't matter if you're still not sure about all the rules. The manual tells you absolutely everything that you need to know – and more – and it has a distinct advantage over watching

the game on TV. You can double-check every play by calling them yourself and letting the computer do the work. Soon you'll be a master of the game and know that all the gobbledigook makes sense.

John Madden American Football isn't a solitary kind of game. There's loads of two-friend against, and the whole event is as watchable as the real thing. The rest of the family, who are sure to be watching over your shoulder, will be more entertained than they would if they were watching a TV game. *John Madden American Football* has one of the

You spend as much time in the huddle as you do hurtling down the pitch with the ball. But this is where the main tactics come into play. You select your chosen tactic by moving the joystick and hitting fire – but your opponent won't be able to see what you've picked. If all goes well, the rest of the team carry out your cryptic game-plan exactly as planned. If they mess it up, then people usually get flattened pretty quickly.

The riskiest play of all – the pass. Using the stick, you pass to one of three receivers. The quarterback lobbs the ball over everyone's head, and you take control of the receiver seconds before he grabs it and runs.



No matter what the weather, your boys are expected to play. In the middle of winter the pitches are often covered in snow or ice.



Do the NFL two-step! Here's your step-by-step guide to making a complete idiot of yourself in public, whenever the opportunity arises.

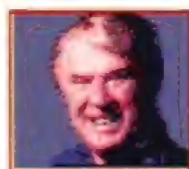
classiest game intros ever seen on the Amiga, complete with sampled speech, raunchy music and stunning animated graphics. Quite a few TV productions could benefit from intros this good, never mind other games. And once you start playing the game itself, all the sound-effects that you would expect are there. There's even a roof-raising cheer from the

“A far cry from the text-based games which have traditionally been the way to play football.”

crowd when you make a touchdown. It really is fun for everyone.

Next time you tune into Channel Four on a Sunday night, and you find that there's a Bulgarian opera on instead of the Redskins and Dolphins, there's no need to switch over in absolute disgust. There's a whole heap of fun you could be having, and *John Madden Football* is where it's at. Don't spend the rest of your life just cheering on the side-lines; get yourself a copy and then you can have your football and eat it.

Neil Jackson 🎮



Mr John Madden.



Yes, it's the Yanks' Greavsie equivalent.

JOHN MADDEN? WHO'S HE?

John Madden reached fame as the Head Coach for Oakland Raiders (who later became the world-famous Los Angeles Raiders). He was promoted to the top position in 1969 at the age of 32, making him the youngest professional Head Coach in the history of the game. During his ten-year term at the Raiders, Madden drove the

team on to win seven Western Division Championships and the 1977 Super Bowl against Minnesota Vikings.

In 1979, Madden retired due to heart trouble and became a football commentator for an American TV network, where he can still be heard today.

John Madden Football Electronic Arts ■ £29.99

- It's the NFL equivalent of *Kick Off 2*, only a lot more polished.
- Stunning action that is coupled with perfect controllability.
- Makes all other American football games look like spreadsheets.
- All the sights and sounds of the Yanks' favourite game.



Wordworth

a writer's dream

v1.1

The graphical nature of Wordworth® makes producing documents faster and easier. The WYSIWYG display shows exactly how your printed document will look, different fonts, styles and sizes, headers and footers, graphics and so on.

Commands are grouped under a series of pull-down menus, accessible either by the mouse or keyboard. Frequently used commands have on-screen icons, including Help, should you need it.

Experience the look and feel of the new and exciting WB2 (even if you use WB1.3). Each document is a separate multi-tasking window, which means you could for example, print one document while editing another.

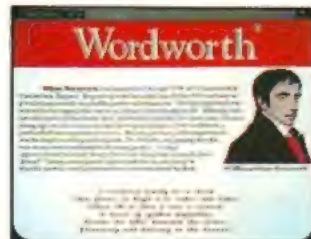
Digita's® innovative *Human Interface Protocol*™ is incorporated setting a new standard in speed, style and elegance. "It *HIP*™ system is intuitive and a pleasure to use." – thank you Amiga Shopper, it's nice to be appreciated.

Graphics have always been the Amiga's strong point. Now it's better than ever. Pictures from Deluxe Paint can be placed in a document, and then sized, scaled and dragged (text automatically reformats around the image).

Wordworth's enhanced fonts will give you the very best printed quality. You can also print special symbols, such as boxes, arrows and so on. Better still, you can mix graphics, Wordworth's enhanced fonts, Amiga fonts, Colorfonts and your printer's own internal fonts, all on the same page. There's even a driver for Postscript printers.

You needn't worry about your existing information – Wordworth will let you open documents from most word processors, including Kindwords, Protext and Wordperfect (you can also mailmerge with Superbase).

When Amiga Format said "a new word processor that will give the rest of the world a run for its money" they weren't joking.



Wordworth is written in the UK by Digita. Which means you'll be using an English Collins spelling checker and thesaurus, and you'll know where to come for professional support.

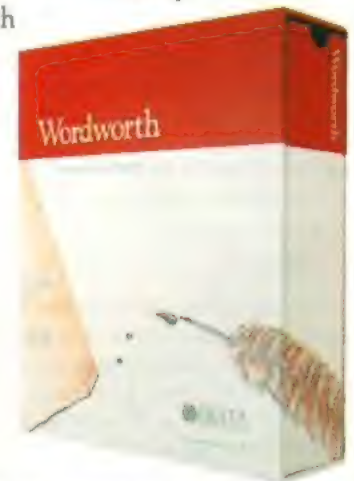
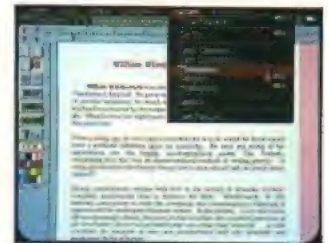
The only way to really appreciate Wordworth is to use it. Phone 0395 270273 for more information or, write to Digita, FREEPOST, Exmouth EX8 2YZ.

Wordworth costs £129.99, which includes VAT, postage and packing; and when purchased from Digita, comes with a 7 day money-back guarantee.

If you already own a word processor, for a limited period only, you can trade-up for just £89.99 by returning your original disks to Digita with your order.

Summing up, Amiga Shopper said: "Pounds-per-feature no other Amiga word processor comes close. Wordworth is what every owner of Kindwords would wish they had." Dreams become reality with Wordworth.

Machine support
Written specifically for the Amiga
Fully supports WB V1.3 and V2.00
All medium or high resolution modes
(mono and colour)
Requires 1MB of memory



DIGITA®
INTERNATIONAL
software thats right™

Wordworth is available from John Menzies, Virgin, W H Smith and all good computer retailers or to the trade through Columbus, Gem, HB Marketing, IBC, Lazer, Leisuresoft, Precision and SDL.

Digita International Ltd Black Horse House Exmouth EX8 1JL ENGLAND Tel 0395 270273 Fax 0395 268893

– A member of the Digita group –
Digita, the Digita logo, Wordworth and the Wordworth logo are registered trademarks, and *HIP*, *Human Interface Protocol* and *software thats right* are trademarks of Digita Holdings Ltd.
All other trademarks and their owners are acknowledged. Sold subject to standard conditions of sale E & OE.

Oh dear. It doesn't bode very well for a game when its protection system is so abysmal. It's not fair to operate on a first impressions basis, but when a game tells you that you've failed the security check when you haven't even been given a chance to enter anything, you know that this is going to be a sloppily programmed effort.

4D Sports Driving is an interesting game. It takes as its premise the idea that the fourth dimension is realism (and there was me thinking it was time) and that this game is 'amazingly' real. What a joke. If this game's amazingly real then obviously we've all been living in some kind of virtual reality for the last couple of decades.

Extremely hard drivin'

What we've got here is a very obviously *Hard Drivin*/*Test Drive*-influenced game. The idea



This is a curious obstacle. It's a kind of tunnel in which you have to travel up one side. For a few laughs try doing a 360 over the roof. The ensuing crash is laughably badly animated.

is that you can race one of 11 performance cars (including a Ferrari, a Lamborghini Countach and the ubiquitous Porsche) around a series of tracks either against a computer-controlled car or the clock. The 'fun' aspects come from the stunt elements to the tracks.

Having picked your set of prestige wheels and decided which track you're going to potter around on, the screen display changes to show a fuzzy representation of the particular dashboard of your chosen car. The garage doors then swing open and with a nudge of the joystick you can accelerate out. Unless of course you haven't been given the opportunity to enter a control word (usually in German), in which case the car will crash and you have to go all the way back to the main menu in the vain hope that the game will ask you for that precious word.

In the fast lane

If you do actually manage to make it out onto the track then the game doesn't get much more exciting. The programmers boast about the "Fast, detailed and smooth polygon graphics" which grace the game. However, all there seem to be are slow, grainy and hopelessly juddery graphics with about all the smoothness of a Channel crossing in a force 10. Even on the supposedly fast graphic detail settings, it's impossible to get the car's handling right. You either need wrists of steel or some form of orthopaedic support to help you maintain any reasonable cornering speed.

It's easy to spot the influences in this game, especially when you find out that it's from the same team who created *Test Drive*. Obviously the main influence is Domark's *Hard Drivin*, but look a bit closer and you can

It's all gone horribly wrong. You'll find that the grassy areas on either side of the track are where you're going to be spending the majority of time.



4D Sports Driving



Leaps into the air have none of the excitement of *Stunt Car Racer*. You simply take off and erm, that's it.

Here's one screen you should get familiar with if you're planning to spend a few hours with this game.



The main menu enables you to pick an opponent to race against (there are six), pick or design a track, change your options (sound on/off, graphic detail) or actually drive the car.

see bits of *Lombard RAC Rally* and *Powerdrift*. However, those games were quite reasonable compared to this. Sadly, *4D Sports Driving* is far more difficult to control and has got the kind of screen update you'd expect from a 1932 Kinotrope.

So you didn't like it much then?

Ahem. Nope. When this kind of game gets released for a machine as advanced as the Amiga you've got to wonder. Software houses think that by giving you such wonderful options as replays, camera viewpoints and re-designable tracks you'll miss the fact that there's naff all in the way of gameplay.

If the programmers had spent a little more time getting the graphics smooth and the cars controllable, they might have a half-decent game on their hands. As it is, this is wholly awful. 4D indeed. Try 4th rate!

Andy Hutchinson

4D Sports Driving Mindscape ■ £25.99

- It's slow, boring and thoroughly, utterly, teeth-gnashingly derivative.
- Takes all the worst bits of *Hard Drivin* and manages to make them even worse.
- It only runs on 1 Mb Amigas. What a shame.
- Not the kind of game to practice your test on. Try *Formula One GP* instead.

Verdict **33%**

High quality products. Full technical support.

Visit our showrooms. See before you buy.

WeServe of Hampshire Established 7 years

New 24pin Colour* Citizen 224

Enhanced 24pin printer, *optional colour
with easy to use control panel
2 year warranty. Price with cable & paper

£225

Optional Colour kit £26.00 with printer
Amiga printer driver £5.00

NEW Amiga Workstation /Expansion System

Monitor stand with shelf for drives etc.
Strong metal construction made from
14SWG steel epoxy coated Amiga
colour.

Special price **£27.50**

New HP Deskjet Colour

300dpi colour inkjet printer.
Colour laser quality at 1/10 of the cost.
3 year warranty. Price with cable & paper

£579

All Citizen printers have
2 year warranty

Swift 24E

Enhanced 24pin. Colour printer
with cable & paper

£275

Printer Drivers

Citizen Swift Colour 5.00
Canon BJ-10e 4.95
Deskjet 500 Colour 9.95

Printer Dust Covers

most types in stock
from **£4.70** inc VAT

Citizen Swift 9

with cable & paper

£175

Citizen 120D +

with cable & paper

£119

Panasonic KXP1123

Probably the best 24pin mono
printer available. With cable & paper

£179

Panasonic/Epson

KXP1170 9pin 134
KXP1124i 24pin 227
KXP4420 Laser 761
Epson LX400 9pin 135
Epson LQ450 24pin 239
Epson LQ570 24pin 281
Epson 4100 Laser 839
Prices include VAT cable & paper

Deskjet 500

HP 300dpi Inkjet printer. Laser
quality at dot matrix price.
3 year warranty. With cable & paper

£359

Canon BJ-10ex

360dpi Inkjet printer
with cable & paper

£229

Star SJ-48

360dpi Inkjet printer
with cable & paper

£229

Star

LC10 Mono 9pin 135
LC200 Colour 9pin 189
LC2410 Mono 24pin 182
LC24200 Mono 24pin 219
LC24200 Colour 24pin .. 275
Prices include VAT cable & paper

Naksha Mouse

for Atari ST & Amiga
with house & mat

£21.50

Squik Mouse

for Atari ST & Amiga

£13.90

Naksha Scanner

200 to 400dpi. 105mm width
with express-IT software

£109

True Mouse

for Atari ST & Amiga

£15.90

1M Simm

£32.00

Suitable for GVP Hard Disks etc.
£32.00 per 1M

Midi Interface

4 channel Midi interface for Amiga

£29

Dr. T's Midi Music Software
(not suitable for A500+) **£9.95**

GVP Series 2 52M

for A500 **£369**

Supra 500XP 52M

for A500 **£329**

Protar Visto 14CM

14" Colour Monitor with cable
£209

Philips CM8833 MK1

Refurbished Colour Monitor
1 full years warranty with cable

£169

Philips CM8833 MK2

Colour monitor with cable

£219

1/2 Meg Ram + Clock

£24.95

Cumana CAX354

External 1M Drive

£54.95

Roctec 1M Drive

for A500 **£59.90**

Accessories

Joystick/Mouse twin extension 4.70
3M Joystick/Mouse lead 3.75
A500 Printer cable 7.95
Modulator/Disk Extension 10.95
23way Plug or socket 2.95
A500 Dust Cover 4.70
A501 1/2M Memory + Clock 29.00
Mouse Mat (thick soft type) .. 4.95
Mouse House 2.95
1M internal 3.5" drive 57.50
A500 replacement PSU 39.00
1/2Meg Ram NO Clock 23.90
GVP Series2 52M (A1500) 279.00

Vidi-Amiga

VIDI-ST Real time mono frame grabber
VIDICHROME-ST Colour Software & filters
G-BASE 16 Colour image database
SPECTRUN 512 Art and design package

£109

The Complete Colour Solution

As Vidi-Amiga but includes ...
VIDI-RGB Electronic colour splitter

£159

A2286 Bridgeboard

CMB 286 Bridgeboard for A1500

£319

GVP Series 2 52M

for A1500 **£279**

Amiga 1500

with full software pack

£539

CBM 1084SD

Colour monitor with cable

£229

1M Cartoon Classics +

full software pack

£329

SONY DISKETTES

SONY branded
(lifetime warranty)

(100% certified error free)

10x 3.5" DS/DD 135tpi 7.50
50x 3.5" DS/DD 135tpi 32.30
100x3.5" DS/DD 135tpi 59.93
250x3.5" DS/DD 135tpi 141.00
1kx 3.5" DS/DD 135tpi 540.50

DISKETTES

SONY bulk

(lifetime warranty)

(100% certified error free)

10x 3.5" DS/DD 135tpi 5.95
50x 3.5" DS/DD 135tpi 21.86
100x3.5" DS/DD 135tpi 39.60
250x3.5" DS/DD 135tpi 94.88
1kx 3.5" DS/DD 135tpi 353.68
40 x 3.5" Disk box with lock 5.49
100 x 3.5" Disk box with lock .. 7.50
Carriage on 50+ disks £3.53

Phone for our 60 page catalogue
EDUCATIONAL AND GOVERNMENT ORDERS WELCOME
All products have a 30 day money back & 12 month warranty.
Prices are subject to variation without prior notification.
Established 7 years. 3 minutes from M27 Junction 11.
Free parking. Open 9 to 5.30 Monday to Friday & 9 to 5 Saturday
Postage 94p or £3.53 Securicor £6.46 (£5.50 + VAT)

WeServe



Larger items delivered
by Securicor



Amiga/Format Dept.
40-42 West Street
Portchester Hants
PO16 9UW
Tel: 0705 325354

WeServe

Best for service

WeServe

Best for service

High quality products. Full technical support.

Visit our showrooms. See before you buy.

Perfect Prices on a Profusion of Peripherals

That's right - now you've bought your Amiga you can add lots of EXTRAS to make your set up complete - Printers, Monitors, Additional Storage Devices, Scanners, Memory Upgrades and lots more are all available at Merlin Express... RIGHT NOW and at the RIGHT PRICE TOO!



NEW STAR LC 20 MONO £139.99
Replacement for the ever popular LC10, this new printer is 25% FASTER - 150/38cps & has new push button controls. Released for Europe approx 12 months ago so it's well proven.

LC 200 COLOUR £199.99
9 Pin Dot Matrix, 240 x 240dpi, 185/40cps

LC 24/200 MONO £229.99
24 Pin Dot Matrix, 360 x 360dpi, 220/55cps

LC 24/200 COLOUR £269.99
24 Pin Dot Matrix, 360 x 360dpi, 220/25cps

NEW XB 24/200 COLOUR £379.99
24 Pin Dot Matrix, 360 x 360dpi, 275/80 cps, 29K Buffer, exceptional 4x48 pin dpi super letter quality fonts, 14x24 pin dpi near letter quality fonts. QUALITY PRINT ALL THE WAY!

NEW XB 24/250 Wide Carr. COL. £454.99
Specification as the XB 24/200 above but with a massive 76K buffer, featuring a wide carriage for applications that need it.

NEW STARJET SJ-48 Inkjet £239.99
Near silent printer similar to the SJ10e Bubble but with Epson LQ11BM Proprinter emulations, 360dpi, 100cps, 28K Buffer.

LASERPRINTER 4 £749.99
Fully HP-ILP & Epson compatible, 300dpi, 1Mb. memory (exp. to 5Mb.) serial/parallel, 14 fonts, RISC processor, with a full 12 months on site maintenance warranty.

LASERPRINTER 4 STARSRIPT £1069.99
As above, but with Stars Postscript, 2Mb Mem, 14-35 fonts, AppleTalk Interface, 1yrs on site maintenance warranty.

STAR PRINTER ACCESSORIES

Printer	LC10/20/200	LC24/200	LC24/10	XB24/200/250
Sh Feeder	£69.99	£69.99	£69.99	£99.99/£149
Stuffer U/G	N/A	£32.99	£64.99	£32.99
Font Cards	N/A	£27.99	£54.99	£27.99

Please state printer model when ordering

MERLIN EXPRESS ARE STAR REGISTERED DEALERS



120D+ MONO 9 Pin Dot Matrix £139.99
SWIFT 9 MONO 9 Pin Dot Matrix £189.99
SWIFT 9 COLOUR 9 Pin Dot Matrix £219.99
NEW CITIZEN 224 MONO £219.99
24 Pin Dot Matrix, 360 x 360 dpi, 160/53cps

NEW CITIZEN 224 COLOUR £249.99
Colour Version of the New 224 Mono above

NEW CITIZEN SWIFT 24E COLOUR £279.99
24 Pin Dot Matrix, 360 x 360 dpi, 180/60cps

PN 48 "NOTEBOOK" PORTABLE £269.99

CITIZEN PRINTER ACCESSORIES

120D+ Cut Sheet Feeder £74.99
124D. Swift 9/24 Semi-Auto Sh. Feeder £44.99
124D. Swift 9/24 Auto-Sheet Feeder £84.99
124D. Swift 9/24 Printer Stand £24.99
124D. Swift 24 - 32K RAM Expansion £13.99
Font Cards Swift 24 (6 Different Sorts) £39.99ea

PLEASE PHONE FOR MODELS NOT LISTED!!!

TWO YEAR WARRANTY

PRINTER RIBBONS

MANUFACTURERS ORIGINAL GENUINE RIBBONS

	5 Pack	5 Pack
Star		
Star LC10/20	£47.99	£19.95
Star LC200	£64.99	£29.95
Star LC 24/200	£69.99	£32.99
Star XB Printers	£69.99	£32.99
CITIZEN		
120D+ Swift	£49.99	£12.95
124D. Swift	£49.99	£12.95
Swift 24/224/24E		£16.45

STARTER PACKS

CITIZEN STARTER PACK £9.99
200 - Sheets of Continuous Paper, 5 - Continuous Envelopes, 100 - Cont. Address Labels, 1 - Amiga/Atari ST Printer Driver 3.5" Diskette

AMIGA STARTER PACK £17.99
Mouse Mat, Dust Cover, Ten Blank Disks in a Plastic Library Case, Good Quality Microswitched Joystick

AMIGA 10 GAMES PACK £24
No PD Software!!!

MEMORY UPGRADES & ROM SHARER

NEW 1Mb. MEMORY EXPANSION FOR AMIGA 500 PLUS £44.99
Simply fits into laptop under your Amiga 500 Plus to give you a total of 2Mb. of available memory. DOESN'T affect Commodore Amiga Warranty!

OR JUST £39.99 IF PURCHASED WITH AN AMIGA COMPUTER

NEW AMIGA 500 PLUS ROM SHARER £22.99
This Product (INVALIDATES the Amiga Warranty) BUT... you will be able to use up to 400K 1.3 operating system! Requires a set of 1.3 chips (available separately).

SET OF 1.3 ROM CHIPS (to fit above) £29.99
System chips to be used with the above to convert your 500 Plus back to the original 1.3 operating system!

Phone for Amiga Software from 15% to 25% Discount + Specials!



PHILIPS CM 8833/II COLOUR MONITOR £234.99
14" Stereo Colour Monitor with Green Screen Switch AND FREE LEAD & DUST COVER

With 12mths. on site maintenance £234.99

COMMODORE 10845 14" Stereo Medium Res £269.99

NEW! PHILIPS TELEVISION/MONITORS
A great alternative to a dedicated monitor that allows you to watch TV programmes too!

BRAND NEW PHILIPS RANGE OF TV SETS WITH ALMOST MONITOR QUALITY OF OUTPUT TOO! CHOOSE FROM THREE MODELS.
All with superb quality reproduction when used as a monitor or TV!
2000 Character High Definition FST specifically designed for use as a both a high quality TV and a monitor. Full two year warranty!!!

PHILIPS 3332 - 15" remote control with sleep timer £229.95
PHILIPS 2331 - 15", spec as 3332 but with Teletext £279.95
PHILIPS 2341 - 17" version of the 2331 with Teletext £339.95

MONITOR ACCESSORIES:
Monitor Dust Cover £5.95
AV7300 TV Tuner £79.95
Univ. Monitor Stand £12.95

PHILIPS Tilt/Swivel Stands...
• CM8833 MkII £14.95
• CM8833 MkII £14.95



GVP Impact Series II HD8 Hard Drives
GVP's Amiga hard drives have a reputation for quality and reliability with an excellent specification. Simply plugs into your Amiga 500 or 500 Plus side port. GVP Hard Drives can be supplied unpopulated or populated to 2Mb, 4Mb, or 8Mb using a combination of plug-in SIMMS memory chips.

• GVP 52Mb. Standard Unpopulated £359.99
• GVP 105Mb. Standard Unpopulated £549.99
• Population to 2Mb (2x1Mb SIMMS) £69.99
• Population to 4Mb (4x1Mb SIMMS) £139.98
• Population to 8Mb (2x4Mb SIMMS) £339.99

GVP PC EMULATOR FOR AMIGA's
Fits into mini-slot of GVP Series II 52/105Mb H/Drives. Includes 16MHz 286 CPU and is compatible with MS DOS 3.2 or later. Runs lots of DOS applications software including Windows... £269.99

SECOND DRIVES

MERLIN 3.5" DISK DRIVE £56.99
3.5" Second Disk Drive, Enable/Disable Switch, Slim Design, 800K Formatted Capacity. No external power supply is needed. Through-port. THIS IS ONE OF OUR BEST SELLERS!

ROCLITE 3.5" DISK DRIVE, ULTRA SLIM & LIGHT £59.99
Available in Ivory or Black, CDTV compatible too!

COMMODORE 1011 3.5" 2nd DRIVE £79.99
CUMANA 3.5" CAX 354 DRIVE £57.99
Enable/Disable switch, Throughport, Extra Long Cable.

COMMODORE A590 20Mb. HARD DISK DRIVES
Unpopulated £279.99
Populated to 1Mb £329.99 (CBM memory NOT cheaper w/g)

AMIGA SUNDRIES

MOUSE MAT High quality, save your mouse from dirt! £3.95
DUST COVER HIGH QUALITY vinyl covers for hardware... £3.95
Amiga keyboard, printers, monitors etc. etc.

DISK STORAGE BOXES High quality, smoked perspex lid fully lockable, complete with dividers in two capacities... £8.99
40 CAPACITY 3.5" Disk £4.99
80 CAPACITY 3.5" Disk £8.99

DISK LIBRARY CASES Plastic case for 10 disks, 3.5" £8.99
PRINTER STANDS 2 Part plastic, paper like under £9.99
MERLIN WIZARD STICK Great quality microswitched joystick, robust & tactile, superb control. Other joysticks too! £9.99

AMIGA 500 CONTROL CENTRES Metal stand £19.99
or £29.99, Monitor 2 Disk Drives, Control panel on desk

MAKISHA SCANNER The one you've been waiting for! £399.99
MAKISHA MOUSE Free Operation Smooth while clicks test £29.99
SOUL MOUSE Budget priced, but GREAT quality £18.95

AMIGA SOFTWARE... Games, Educational and Business software is always available at discounted prices please phone & ask for prices.

AMIGA BOOKS... Covering everything Amiga! Phone for details.

PER FAX £9.99 (or post £29.99 if bought with heavy PLUS LOTS OF OTHER ACCESSORIES TOO MANY TO LIST!!!

NEW LOW, LOW PRICES! SUBJECT TO AVAILABILITY



AMIGA 1Mb 500 PLUS CARTOON CLASSIC PACKAGE INCLUDING ALL THE FOLLOWING...
NEW Amiga 500 PLUS Keyboard with 1Mb RAM and a 1Mb 3.5" Disk Drive, Mouse, TV Modulator, Leads, Manuals, Workbench Disks etc. and featuring...
4096 Colours, Digital Stereo Sound, Multi Tasking, Speech Synthesis and more!

Only... £354.99

MORE AMIGAS

AMIGA CARTOON CLASSICS £584
• CM8833 Mk II MONITOR
including 12mths on site warranty

AMIGA CARTOON CLASSICS £779
• CM8833 Mk II MONITOR
• STAR LC 200 COLOUR PRINTER
including all on site warranty

OTHER AMIGA COMBINATION PACKS ALSO AVAILABLE Phone

AMIGA 1500 COMPUTER PACK
BRAND NEW 1500 Plus - ideal for both home and business!!!
Central Processing Unit (CPU)...
1Mb. RAM, 2 x 3.5" Floppy Disk Drives, 8 Expansion Slots to take all Amiga 2000 Peripherals.
Keyboard and Mouse.
With Network Key Pad, 4 Cursor Keys, 7 to 10 Amiga Mouse.

NEW VERSION WITH ROM 2.04

AMIGA 1500 CPU/KEYBOARD (As detailed) £549.99
AMIGA 1500 (As detailed) + 10045 Monitor £814.99
AMIGA 1500 (As detailed) + CM8833/II £779.99

PHONE FOR OTHER PACKS... ALL AT INCREDIBLY LOW PRICES!

ALL Merlin Prices Include VAT @ 17.5%

ORDERING

Just telephone our 24 Hour Order Hotline using your Access/Voice or Switch Cards, or send a cheque/postal order with your requirement details, delivery address & daytime telephone number. Cheques need clearance unless issued by a Bank/Building Society for cash.

DELIVERY

Small items are despatched by post to all UK Mainland addresses unless otherwise discussed. Hardware is despatched by courier service (up to 25kg) as follows: **NEXT WORKING DAY** - add £7.50 to order. **TWO WORKING DAYS** - add £10. **SPECIAL SATURDAY DELIVERY** - add just £12. (Please note courier service applies to MOST UK Mainland addresses).

WARRANTY

Hardware proving faulty within 30 days will be exchanged for NEW (subject to condition etc). After 30 days and within 12 months from purchase, faults will be rectified by the relevant manufacturer's repair agent and returned to you by courier. Software and small items carry various warranties, please ask for details.

COLLECTION

Merlin Express Limited are predominantly a mail order company, but we welcome customers to our trade/collection counter who wish to pick up goods from us. Why not pay us a visit, we are always pleased to help you with your enquiry.

B.F.P.O. & EXPORT

Merlin are happy to supply B.F.P.O. and export markets for which VAT is extra. Delivery Extra charges may vary from UK rates and, as products carry UK warranties only, faulty items are to be returned to Merlin by the customer and re-delivery charges will apply.

PLEASE NOTE...

Whilst every effort is made to ensure information in this advert is correct, you should always confirm any offers, prices, availability etc. prior to placing your order. We endeavour to supply goods as shown and will ONLY change details should it be made necessary by our suppliers etc. As our advertising is based so far in advance Merlin therefore reserve the right to alter product specifications, withdraw any product/service or update prices (and that can be up OR down), without prior notice. Merlin guarantee never to supply anything that has been subject to change without you, the customer, being informed of and agreeing to that change. Please ALWAYS confirm details PRIOR to placing your order. All our currently advertised offers, products, previously advertised offers and goods are NOT supplied on a trial basis.



MERLIN EXPRESS LIMITED

DEPT. AMF, UNIT C7, THE ROPEWALK IND. CENTRE,

STATION ROAD, ILKESTON, DERBYSHIRE, DE7 5HX.

Telephone: 0602 441442 FAX: 0602 440141

24 HOUR ORDER LINE

TELEPHONE: 0602 441442

SWITCH VISA



A NEW MEDIA REVOLUTION...
You get... THE NEW CDTV PLAYER with full infra red remote control plus leads to TV and audio system and an introductory 'welcome disc' plus Lemmings and Superman: The Movie all on Compact Disc!!!

...BUT THEN MERLIN WILL INCLUDE ABSOLUTELY FREE OF CHARGE EITHER...
An 88 Key QWERTY Keyboard Worth £49.95!
OR A 3.5" Floppy Disk Drive Worth £59.95!

Only... **£499.99**

A range of CDTV accessories are now coming on line, please phone to check availability.

CDTV KEYBOARD 88 Key QWERTY, plugs into the CDTV. £49.95

CDTV MOUSE Two way infrared remote control, includes battery saver feature. £39.95

CDTV TRACKBALL Infrared remote control with sockets for two standard joysticks or standard mouse. £79.95

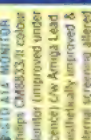
CDTV 3.5" DRIVE Allowed loading of competitive Amiga software. Rack mountable, 800K capacity. £59.95

ROCLITE 3.5" DRIVE CDTV compatible in matching black. £59.95



Great quality at backed by either a 1 year or 2 year REPLACEMENT WARRANTY!

AS500 HD28 £349
AS500 HD48 £349
AS500 HD60 £349
AS500 HD80 £349
AS500 HD100 £349
AS500 HD120 £349
AS500 HD140 £349
AS500 HD160 £349
AS500 HD180 £349
AS500 HD200 £349
AS500 HD220 £349
AS500 HD240 £349
AS500 HD260 £349
AS500 HD280 £349
AS500 HD300 £349
AS500 HD320 £349
AS500 HD340 £349
AS500 HD360 £349
AS500 HD380 £349
AS500 HD400 £349
AS500 HD420 £349
AS500 HD440 £349
AS500 HD460 £349
AS500 HD480 £349
AS500 HD500 £349
AS500 HD520 £349
AS500 HD540 £349
AS500 HD560 £349
AS500 HD580 £349
AS500 HD600 £349
AS500 HD620 £349
AS500 HD640 £349
AS500 HD660 £349
AS500 HD680 £349
AS500 HD700 £349
AS500 HD720 £349
AS500 HD740 £349
AS500 HD760 £349
AS500 HD780 £349
AS500 HD800 £349
AS500 HD820 £349
AS500 HD840 £349
AS500 HD860 £349
AS500 HD880 £349
AS500 HD900 £349
AS500 HD920 £349
AS500 HD940 £349
AS500 HD960 £349
AS500 HD980 £349
AS500 HD1000 £349



Monitor (improved under 1 year) £116
1Mb 528, 2Mb £486
2Mb 528, 4Mb £486
4Mb 528, 8Mb £486
8Mb 528, 16Mb £486
16Mb 528, 32Mb £486
32Mb 528, 64Mb £486
64Mb 528, 128Mb £486
128Mb 528, 256Mb £486
256Mb 528, 512Mb £486
512Mb 528, 1024Mb £486
1024Mb 528, 2048Mb £486
2048Mb 528, 4096Mb £486
4096Mb 528, 8192Mb £486
8192Mb 528, 16384Mb £486
16384Mb 528, 32768Mb £486
32768Mb 528, 65536Mb £486
65536Mb 528, 131072Mb £486
131072Mb 528, 262144Mb £486
262144Mb 528, 524288Mb £486
524288Mb 528, 1048576Mb £486
1048576Mb 528, 2097152Mb £486
2097152Mb 528, 4194304Mb £486
4194304Mb 528, 8388608Mb £486
8388608Mb 528, 16777216Mb £486
16777216Mb 528, 33554432Mb £486
33554432Mb 528, 67108864Mb £486
67108864Mb 528, 134217728Mb £486
134217728Mb 528, 268435456Mb £486
268435456Mb 528, 536870912Mb £486
536870912Mb 528, 1073741824Mb £486
1073741824Mb 528, 2147483648Mb £486
2147483648Mb 528, 4294967296Mb £486
4294967296Mb 528, 8589934592Mb £486
8589934592Mb 528, 17179869184Mb £486
17179869184Mb 528, 34359738368Mb £486
34359738368Mb 528, 68719476736Mb £486
68719476736Mb 528, 137438953472Mb £486
137438953472Mb 528, 274877906944Mb £486
274877906944Mb 528, 549755813888Mb £486
549755813888Mb 528, 1099511627776Mb £486
1099511627776Mb 528, 2199023255552Mb £486
2199023255552Mb 528, 4398046511104Mb £486
4398046511104Mb 528, 8796093022208Mb £486
8796093022208Mb 528, 17592186044416Mb £486
17592186044416Mb 528, 35184372088832Mb £486
35184372088832Mb 528, 70368744177664Mb £486
70368744177664Mb 528, 140737488355328Mb £486
140737488355328Mb 528, 281474976710656Mb £486
281474976710656Mb 528, 562949953421312Mb £486
562949953421312Mb 528, 1125899906842624Mb £486
1125899906842624Mb 528, 2251799813685248Mb £486
2251799813685248Mb 528, 4503599627370496Mb £486
4503599627370496Mb 528, 9007199254740992Mb £486
9007199254740992Mb 528, 18014398509481984Mb £486
18014398509481984Mb 528, 36028797018963968Mb £486
36028797018963968Mb 528, 72057594037927936Mb £486
72057594037927936Mb 528, 144115188075855872Mb £486
144115188075855872Mb 528, 288230376151711744Mb £486
288230376151711744Mb 528, 576460752303423488Mb £486
576460752303423488Mb 528, 1152921504606846976Mb £486
1152921504606846976Mb 528, 2305843009213693952Mb £486
2305843009213693952Mb 528, 4611686018427387904Mb £486
4611686018427387904Mb 528, 9223372036854775808Mb £486
9223372036854775808Mb 528, 18446744073709551616Mb £486
18446744073709551616Mb 528, 36893488147419103232Mb £486
36893488147419103232Mb 528, 73786976294838206464Mb £486
73786976294838206464Mb 528, 147573952589676412928Mb £486
147573952589676412928Mb 528, 295147905179352825856Mb £486
295147905179352825856Mb 528, 590295810358705651712Mb £486
590295810358705651712Mb 528, 1180591620717411303424Mb £486
1180591620717411303424Mb 528, 2361183241434822606848Mb £486
2361183241434822606848Mb 528, 4722366482869645213696Mb £486
4722366482869645213696Mb 528, 9444732965739290427392Mb £486
9444732965739290427392Mb 528, 18889465931478580854784Mb £486
18889465931478580854784Mb 528, 37778931862957161709568Mb £486
37778931862957161709568Mb 528, 75557863725914323419136Mb £486
75557863725914323419136Mb 528, 151115727451828646838272Mb £486
151115727451828646838272Mb 528, 302231454903657293676544Mb £486
302231454903657293676544Mb 528,

If you were to mix the ideas of the Wright brothers with those of Heath Robinson, you might well end up with one of the aircraft from Silmarils' latest release *Storm Master*. This quite unique game is mainly a test of strategic ability, but the occasional bit of arcade action is included and there's even some supernatural administration that has to be done as well.

You play the newly elected leader of a wartime government from the island of Eoliä (a magical country on the planet Urgaa). Neighbouring island Sharkaania has threatened to invade for centuries, but until the

This is the equivalent of your Houses of Parliament. Here all the members of your council gather together and exchange information in return for a little ego-massaging. Ignore them and they'll leave in a huff. In fact, the only difference between this and the real thing is that your chaps seem to fall asleep an awful lot less.



The view from the pilot's chair, as you fly over enemy territory dropping all manner of heavy objects onto the scum-filled villages below.

recent discovery of flight they have been unable to do so. This is because a huge sea-monster, called Goorza, inhabits the channel of water which separates the two states. The only way across is to fly...

You can choose between five different scenarios that are each set at different times during the war. This allows you to give the advantage to yourself, or be thrown in at the deep end with the challenge of turning the tide of a war that is not going your way. The lead up to this options screen takes the form of an atmospheric intro, showing the Storm Master invoking a howling wind, to propel one of the aforementioned craft into the sky. Very impressive stuff!

The magnificent seven

It's a very strange place is Urgaa, with some very strange people, seven of whom sit on your own ruling council. They are the main governors of Eoliä, who each administrate a separate area of the society, and are known as the Ecclesiast, the Master Miller, the High Constable, the Joker, the Leonardo, the Inquisitor and the Commander. Clicking on them produces a sub-screen where further options are possible, some of these lead to further option screens and so on, making the game parameters enormous.

The Ecclesiast is the most important member of the council, since the title of 'Storm Master' belongs to him. Through prayer to the god Eoliä, he is able to gain limited control of the winds, which can be used to increase the yield of windmills or wreak havoc upon the enemy by the unleashing of a cyclone. You actually play a part in this ceremony by using the mouse to conduct various rituals which have to be performed in a certain order. It's good fun but incredibly difficult, and gets quite frustrating when you receive only a light breeze for your efforts instead of the raging hurricane that you had been expecting. Clicking the mouse around the ceremonial chamber causes some great little animations and the temple backdrop itself (like



Building your own flying machine is easy. All you need to do is connect the full sized sub-atomic ram-thrusters to the rotary pan-dimensional flude-valves. Give it a wiggle, and hope for the best.

Your long-range bombing campaigns usually start with this screen, the map of the enemy territory. You guide your craft here, and tell them when to start raining death from the sky.

the other backdrops in the game) is also of very high quality.

The not-so-Spruce Goose

The Leonardo is your head of science and research. He is also a very important member of your council since it's through him that you must design and build the aircraft to take your army into combat. With his help you can also invest money into the education system of Eoliä. His sub-screen provides access to some of the most attractive graphics in the game: the ship design screens. There you can experiment with different components to create, crew and test one of four types of weird, boat-like flying machines, that are shown on the drawing-board in some impressive da Vinci-style



artwork. For your inventions maiden flight another screen appears where it either flies through the air with the greatest of ease or crashes to the ground in a ball of flame. Brilliant! If you manage to launch an air-raid and then get attacked by enemy aircraft, you are treated to a relatively fast 3D section that gives you a view from the... er... prow of your plane so that you can dogfight to the death.

The whole of the high council are incredibly touchy, and sometimes leave if you neglect them, so it's best to rotate between them. Since the strategy element of the game concerns the maintaining of food supplies and good living conditions, as well as the construction of an airforce, it's important to keep them at your side. The sub-sections of the game which control this process, are all attractive and easy to use, making the game a joy to play once you get the basic idea.

The combination of strategic and arcade gameplay put *Storm Master* in a class by itself, with excellent graphics and sound simply being the icing on a huge cake that you must get a slice of. Today!

Paul Tyrrell

Storm Master Silmarils ■ £29.99

- Variety of actions possible is overwhelming.
- Graphics, music and sound are all remarkably impressive.
- Easy to get in to and hard to get out; making mistakes simply makes you even more determined.
- Five scenarios at five levels of skill give it much lastability.
- Completely original style of game that never ceases to enthrall.

AMIGA
GOLD 90%
FORMAT



SOLUTION

TOTAL AMIGA COMPUTING

From Commodore

The World's Largest Supplier of Computers

AMIGA A2000 SERIES

- Motorola 68000(7.14 Mhz) 16/32Bit
- 1Mb Ram Exp. to 9Mb Max
- 1x 3.5" 880K Internal Floppy Drive
- 5 x Amiga Slots + 4 x IBM Slots(2XT)
- WIMP Controlled Operating System
- 94 Key Qwerty Keyboard
- 2 Button Mouse
- Amiga Chip Set

A2000	CPU	MONITOR
52 MB	£ 999.00	£1248.00
105MB	£1199.00	£1448.00
210MB	£1399.00	£1648.00

AMIGA A3000 SERIES

- Motorola 68030/68882 FPU 25Mhz
- 2Mb Ram Exp. to 18Mb Max o/b
- 1x 3.5" 880K Internal Floppy Drive
- 5 x Amiga Slots
- Amiga Chip Set
- 94 Key Qwerty Keyboard
- 2 Button Mouse
- WIMP Controlled Operating System

A3000	CPU	MONITOR
52MB	£2199.00	£2549.00
105MB	£2395.00	£2745.00
210MB	£2545.00	£2945.00

AMIGA A1500 SERIES

CPU
Motorola 68000(16/32-bit)
7.14Mhz Clock speed
1Mb Ram(Expandable to 9mb max.
with additional memory board
2 x 3.5" 880k FD

MONITOR
1084S/PHILIPS CM8833 II
CURRENT SOFTWARE BUNDLE
Deluxe Paint III
The Works Platinum
Home Accounts
Puzznic
Toki
Elf
KEYBOARD & MOUSE

£899.00 INC.VAT

AMIGA A1500 IS A FAST EXPANDING MACHINE WHICH IS IDEAL FOR YOUR EVERYDAY COMPUTING NEEDS. SUPPLIED WITH UP TO DATE SOFTWARE AND HARDWARE TO KEEP YOU IN TIME WITH THE FAST MOVING COMPUTER INDUSTRY. ALL HARDWARE AND SOFTWARE FOR THE A2000 ARE FULLY COMPATIBLE.

ACCESSORIES

HARD DISK CONTROLLER CARDS
HARD DISKS
RAM EXPANSIONS
MEMORY CHIPS/SIMMS
FLOPPY DISK DRIVES
GRAPHICS BOARDS
GENLOCKS/VIDEO
SCANNERS
LASER PRINTERS
MONITORS
PROCESSOR CARDS
IBM BRIDGEBOARDS
AUDIO ACCESORIES
MODEMS/FAX CARDS
CABLES
SOFTWARE(NON-GAMES)
PLEASE CALL ON LATESTED PRICES

CDTV

CDTV
MULTIMEDIA

£499 inc. VAT

Commodore Business Centre carries a large range of CDTV accessories including: Keyboard, Disk Drive, Trackball & most CDTV software.

AMIGA 500PLUS

1MB RAM
Workbench 2.04
Cartoon Classics Pack
£359 inc. VAT

- MULTIMEDIA
- DESKTOP PUBLISHING
- DESKTOP VIDEO
- DESKTOP PRESENTATION
- VIDEO TITLING
- 2D/3D GRAPHICS
- 24BIT DISPLAYHARDWARE
- MUSIC
- EDUCATION
- SCANNING
- IMAGE PROCESSING
- NETWORKING

At London's
Commodore Business
Centre

you will find
helpful sales and technical
staff able to offer you
informed advice on
choosing a
computer solution.
most systems advertised
are on demonstration and
can viewed in an
everyday work
environment.

Alternatively, you can use
our efficient mail order
service with
the assurance of quality
products and support.

**ALL MAJOR
CREDIT CARDS
ARE ACCEPTED.**



This ad was produced on a Amiga A3000
using Professional Page 2.1 By CBC Staff.

Telephone: 071 833 5609
Facsimile: 071 837 1264

All Prices Exclude 17.5% VAT Unless Otherwise Stated

**Commodore
Business Centre**



Commodore Business Centre
61 Russell Square
London WC1B 5BB
Telephone: 071 833 5609
Facsimile: 071 837 1264

External World of Amiga



RocLite	The World's slimmest external drive for Amiga or CDTV, with anti-virus and no clicking functions
RAM Cards	Available in 512KB, 1MB and 2MB versions for A500 and A500 Plus
RocTec Mouse	Hi-resolution replacement mouse
RocGen	A full-featured, budget-priced hobbyist's genlock with adjustable fade and overlay effects
RocGen Plus	This high-specification, semi-professional genlock sports extra features for the discerning film-maker: <ul style="list-style-type: none"> • adjustable overlay, dissolve and keyhole effects • video and RGB pass-thru • dual-controls for pin-point accuracy and support for external keying
RocHard	A new concept in hard disks means you will never get left behind: <ul style="list-style-type: none"> • supports SCSI or IDE hard drives (40MB up) • expandable to 8MB of RAM in 4 easy stages • compatible with A500 and A500 Plus • autoboot and Autoconfig compatible • safe and efficient switched-mode power supply • can be used solely as an 8MB RAM expansion • game switch ensures complete compatibility

Hong Kong Office
ROCTEC ELECTRONICS LTD.
 9/F Win Win Ind. Bldg.,
 18 Lee Chung Street, Chai Wan,
 Hong Kong.
 Tel: (852) 897 3869 Fax: (852) 558 8099

Trade Inquiries
ZYE Tel: 0293 538 666
 Fax: 0293 538 414



Déjà vu's a spooky feeling isn't it? Unfortunately, it's a feeling that's beginning to haunt the world of computer games more and more. But I suppose there's only so much that even the most inventive of programmers can do with a bunch of moving sprites, some bleep noises and some wacky graphics. So it's inevitable that every now and then one video game will strangely remind you of another.

Déjà vu's a spooky feeling isn't it? But sometimes it's based on pure fact. Sometimes you can genuinely say that you have actually, definitely, 100 per cent for sure, certainly played a particular game before. Take *Videokid* as an example. Now when you first load this little cutesy, you immediately think of *Mega Twins* – the platform romp from US Gold that graced these sacred pages way back in issue 29 of **Amiga Format**.

On paper there's nothing of earth-shattering consequence to be gleaned from a comparison of the two games' descriptions. Both of them feature big, glossy and (there's no getting around it) cute central characters. Both games are pretty fast 'n' furious platform shoot-em-ups (when your central character can fly gravity-free, it's difficult to know when a standard platform game becomes pure shoot-em-up) and both games boast the same high quality of graphics, addictive action, slick presentation and groovy audibles.

Haven't I seen you some place before?

How many games sound the same if compared in such a fashion? Loads. But the point about these two games is that they both come from the boys at Twilight. Cue coin-drop, realisation dawning and light-bulb appearing above head. It would seem that here we have a case of mutton dressed as lamb.

So this time there's only one kid (*Mega Twins* had two, hardly surprising), the swords have been replaced with a selection of five different firearms (collect assorted power-ups along the way), the graphics have been tweaked and tailored (but the feel remains the same) and the levels redesigned to create more of a four-way scrolling environment than its predominantly linear code-sake. But underneath the games play remarkably alike.

Is this necessarily a bad thing? Well *Mega Twins* was a great game and there are sufficient differences between the two games to allow *Videokid* to stand on its own merits. But the similarity is worth remembering, if for no other reason than it should give you an idea of what the game plays like.

So what (at last) is *Videokid* all about then? Well, Billy was just an ordinary kid sat watching telly. His dad brings home a brand spanking new video that not only plays all your favourite flicks but actually sucks you deep into a spaced-out video-world from which you must try to escape. What will they think of next?

Video star?

So the scene is set (contrived, even by computer-game standards) for the now green-haired Billy to embark upon a five-stage adventure through Medieval, Western, Science

Here's Billy strutting his fly-shoot-dodge stuff in the dungeon depths of Medieval World. A fully-tooled up Billy is a force to be reckoned with, but it's early days yet, so you'll have to make do with just a forward-firing laser gun



Videokid



Who's a pretty boy then? This budgie from hell flaps up and down and aims deadly Hoots at you. Scary stuff indeed. Time for our Billy to unleash one of his two remaining smart-bombs, methinks...



Billy's a wizard, you see, and as everyone knows wizards can fly. So the whole of his adventure is gravity-free. Platforms? Who needs 'em?



A six-shooter toting Billy (the Kid?) takes on the baddies of Western World. With no obstacles to avoid, this level is pure shoot-em-up action all the way, so just keep blasting.

Fiction, Gangster and Horror world. Each stage (except the first) comprises four levels with a traditional end-of-stage boss breaking up the grab-shoot-dodge gameplay.

The pace is quick throughout, and graphically *Videokid* is fairly impressive. Each stage boasts its own character and variety of baddies, while the soundtrack attempts to keep in style with the radical fluctuation of film genre-inspired backgrounds.

Try the cheap seats...

If you enjoyed *Mega Twins* then *Videokid* offers more of a similar sort of thing (hasn't that been said before? Déjà vu again!). It's difficult to pigeonhole *Videokid* exactly, 'platform shoot-em-up' is as close as you can get. Again, there's not much that could be called original, and at £25.99 this inevitably leads to suggesting you have a glance through the Budget Pages (92-93) as an alternative way of grabbing yourself some extra VFM. But *Videokid* is fast, fun and worth investigating. A respectable, entertaining but ultimately unoriginal game.

Neil West

Videokid Gremlin ■ £25.99

- A souped-up *Mega Twins* without the twin, really. The same code could have been used to create a new game.
- Big colourful graphics, slick animation and non-stop action.
- Nothing original whatsoever.
- Fairly pricey for what it offers.

AMIGA
(Verdict) **60%**
FORMAT

NEW
LOWER
PRICES!

AMIGA PACKS

NEW
LOWER
PRICES!

ALL PRICES INCLUDE VAT. ALL ORDERS OVER £100 ARE SUBJECT TO £5 UK DELIVERY CHARGE. ORDERS OVER £100 RECEIVED BEFORE 2PM ARE USUALLY DESPATCHED THE SAME DAY FOR DELIVERY ON THE NEXT WEEK DAY. ORDERS UNDER £100 ARE SENT 1ST CLASS RECORDED POST. ALL PRODUCTS ARE UK STOCK AND CARRY A FULL 12 MONTH COMMODORE WARRANTY. PLEASE RING US BEFORE ORDERING TO CHECK STOCKS AND CURRENT PRICES.

All Amiga packs include the A500 PLUS & A1500 PLUS.

AMIGA A500+ 1MB CARTOON CLASSICS Amiga A500 computer, supplied with 1MB ram built in, Kickstart V2, expansion to 2MB ram possible via "trap door", mouse, tv modulator, manuals, Workbench V2 etc disks, plus the following top selling software titles: Lemmings, The Simpsons, Captain Planet and Deluxe Paint 3 **£349.00**

AMIGA A500+ 2MB CARTOON CLASSICS Amiga A500 computer, supplied with 1MB ram built in and an extra 1MB expansion board (giving a total of 2 megabytes of ram), Kickstart V2, mouse, tv modulator, manuals, Workbench V2 etc disks, plus the following top selling software titles: Lemmings, The Simpsons, Captain Planet and Deluxe Paint 3 **£389.00**

AMIGA A1500+ BASE A1500 computer with 1MB ram and now with Kickstart V2 and Workbench V2 software, detachable keyboard, 2 x 3.5" 880k disk drives built in, mouse and all manuals. The Amiga A1500 accepts A2000 peripherals. The A1500+ base pack is supplied with no software. Please note that the A1500 does NOT have a modulator. **£509.00**

AMIGA A1500+ PACK A consists of A1500+ base pack and the following software: Platinum Works, Deluxe Paint Version 3, Populous, Simm City, Battle Chess, Their Finest Hour (Battle of Britain) and 2 books **£559.00**

AMIGA A1500+ PACK B consists of A1500+ base pack and the following software: Platinum Works, Deluxe Paint Version 3, Home Accounts, Elf, Puzznic, Toki and Getting the Most Out Of Your Amiga book **£559.00**

Hard Disk Drives

A500 HARD DISKS

GVP Series II 52Mb Hard Disk £379.00
GVP Series II 105Mb Hard Disk £549.00

Protar 20Mb Hard Disk £275.00
Protar 50Mb Hard Disk £369.00
Protar 80Mb Hard Disk £595.00
PHONE FOR OTHER PROTAR SIZES

A1500 HARD DISKS

GVP 52Mb Hard Card £289.00
GVP 120Mb Hard Card £469.00
GVP 200Mb Hard Card £849.00

PLEASE PHONE FOR PRICES ON RAM UPGRADES ETC FOR ANY OF THE ABOVE HARD DISK DRIVES.

Colour Monitors

PROTAR VISTO C14M

- * 14" Colour monitor
- * Stereo speakers
- * 800 x 285 pixel resolution
- * RGB / Composite inputs
- * Green screen switch
- * Free with Amiga lead
- * Improved version of 8833 II
- * 1 year REPLACEMENT warranty

only £ 219.99

Accessories

512K ram expansion + clock £29.99
External disk drive £59.00
Squick replacement mouse £14.99
Amiga A500 dust cover £8.99
Mouse Mat £3.50
Cruiser Joystick £8.99
Zipstick Joystick £9.99

PRINTERS

ATTENTION ALL CITIZEN PRINTER BUYERS!

We are offering, to all buyers of Citizen printers some very special offers:

1. CITIZEN PRINTER STARTER PACK. The pack comprises of: 3.5" disk full of printer drivers for the ST, Amiga & PC, 200 sheets of fanfold tractor feed paper, 200 fanfold tractor feed address labels, 5 tractor feed envelopes all for only £12.99.

2. CITIZEN COLOUR PRINTING KIT. This kit enables you to upgrade either the Swift 9, Swift 24E or 224 to a full colour printer. The kit comes with a colour ribbon. Normally retailing at around £40.00, we are offering, while stocks last, the chance to buy this colour kit for only £19.99.

NEW LOW PRINTER PRICES

Citizen 120D (9-pin, 144 cps draft, 30 cps NLQ) £129.00
Citizen Swift 9 (9-pin, 192 cps draft, 48 cps NLQ) £199.00
Citizen 124D (24-pin, 144 cps draft, 48 cps LQ) £189.00
Citizen Swift 224 (24-pin, 192 cps draft, 64 cps LQ) £229.00
Citizen Swift 24E (24-pin, 216 cps draft, 72 cps LQ) £289.00
Citizen Swift 24X (24-pin, 15" carriage) £399.00

Star LC20 Mono (9-pin, 180 cps draft, 44 cps NLQ) £159.00
Star LC200 Colour (9-pin, 180 cps draft, 45 cps NLQ) £220.00
Star LC24-200 Mono (24-pin, 200 cps draft, 67 cps LQ) £260.00
Star LC24-200 Colour (24-pin, 200 cps draft, 67 cps LQ) £295.00

Canon BJ10EX Bubble Jet (ink jet, now EPSON compatible) £265.00
Hewlett Packard DeskJet 500 (ink jet, 3 pages per minute) £389.00
Hewlett Packard DeskJet 500 Colour (NEW! full colour inkjet) £619.00

HAVE YOU GOT A V1.3 AMIGA?

DO YOU WANT VERSION 2 KICKSTART & WORKBENCH?

If so, we now have in stock the new VERSION 2 UPGRADE KIT. The kit consists of the Kickstart 2 Rom, Workbench 2 software (including the Extras disk and the Fonts disk) and the Workbench 2 full manuals. Easy to fit and requires no soldering.

£ 79.99

1MB Ram Upgrade

If you want to expand you Amiga A500 Plus to a total of 2MB then why not fit the new 1Mb Ram Board? This extra ram will unleash the full graphics capabilities of the A500 Plus and is ideal for many other applications such as sound sampling, data storage etc... It's simple to fit, without any modification, and will not invalidate your computers warranty.

£49.99

FOR USE WITH THE A500 PLUS ONLY

ROM Switcher

Some older software will not run on the new Amiga A500 Plus with Kickstart V2.04 Rom but they do run on the older V1.3 A500s.

We a now stocking the Phoenix Rom Switcher which means, once installed, you can switch between Kickstart 1.3 and 2.04 giving you all the benefits of both Amigas and solving those incompatibility problems. It can be easily installed to the A500 Plus and comes supplied with Kickstart V1.3 Roms. Included in the kit is a microswitch which can be mounted virtually anywhere to enable toggling between the two Rom versions.

£49.99

FOR USE WITH THE A500 PLUS ONLY

SOFTWARE

LEMMINGS £7.99
THE SIMPSONS £7.99
CAPT PLANET £7.99
DPAINT 3 £19.99
ALL 4 TITLES £34.99

IF YOU WISH TO ORDER WITH US, THEN PLEASE SEND YOUR CHEQUES, BANKERS DRAFTS, POSTAL ORDERS, CASH ETC TO OUR MAIL ORDER ADDRESS (PLEASE MAKE CHEQUES PAYABLE TO BEST PRICES) OR RING OUR MAIL ORDER HOTLINE ANY TIME BETWEEN 8.00AM AND 8.00PM, 7 DAYS A WEEK, (OUR LINES ARE PERSONALLY MANNED - THIS IS NOT AN ANSWERPHONE) AND USE YOUR CREDIT CARD. ALL ORDERS OVER £100 SUBJECT TO £5 DELIVERY CHARGE.

VISIT OUR SHOWROOM

CHIPS COMPUTER CENTRE, 53 RUGBY ROAD,
WORTHING, WEST SUSSEX, BN11 5NB.

TEL: (0900) 700804

OPENING: MON TO FRI 10AM TO 6PM SAT 9.30AM TO 5.30PM
FINANCE / CREDIT FACILITIES (SHOP ONLY)

PART EXCHANGE CONSIDERED (SHOP ONLY)

NEW AND USED ST, AMIGA & PC EQUIPMENT ON DISPLAY
ALL TYPES OF SOFTWARE (BUSINESS / LEISURE / EDUCATIONAL)
REPAIRS UNDERTAKEN TRAINING, INSTALLATION, ON-SITE WARRANTIES



MAIL ORDER ONLY

BEST PRICES (DEPT AF), 53 RUGBY ROAD,
WORTHING, WEST SUSSEX, BN11 5NB.

TEL: (0900) 700713

OPENING: 7 DAYS A WEEK 8AM TO 8PM

ALL PRICES INCLUDE VAT. ALL ORDERS OVER £100 ADD £5 FOR NEXT WEEKDAY COURIER DELIVERY. ORDERS UNDER £100 ARE SENT BY POST.

NOTE - CREDIT CARDS ARE SUBJECT TO VERIFICATION BY CARD ISSUERS.

GOODS USUALLY SENT OUT THE SAME DAY WHEN

CLEARED PAYMENT IS RECEIVED BEFORE 2PM.

PERSONAL CHEQUES REQUIRE 7 DAY CLEARANCE.

All prices include 17.5% VAT. Free delivery ONLY on orders under £100. All prices / specifications / special offers subject to change without notice.

ALL OUR TELESales LINES ARE PERSONALLY MANNED AND OPEN FROM 8.00AM UNTIL 8.00 PM - 7 DAYS A WEEK

Amiga Repairs

If something is wrong with your Amiga 500 or C64, who better to turn to than The National Repair Centre.

For all repairs to your computer, one low payment covers diagnosis, repair (including parts and labour) and delivery back to you.

The experience and expertise of our technicians ensures that your computer is repaired to a high standard at a low cost. And most repairs will be carried out within 12 working days!

To schedule a repair, simply call Michelle or Julie on 0733 391234.

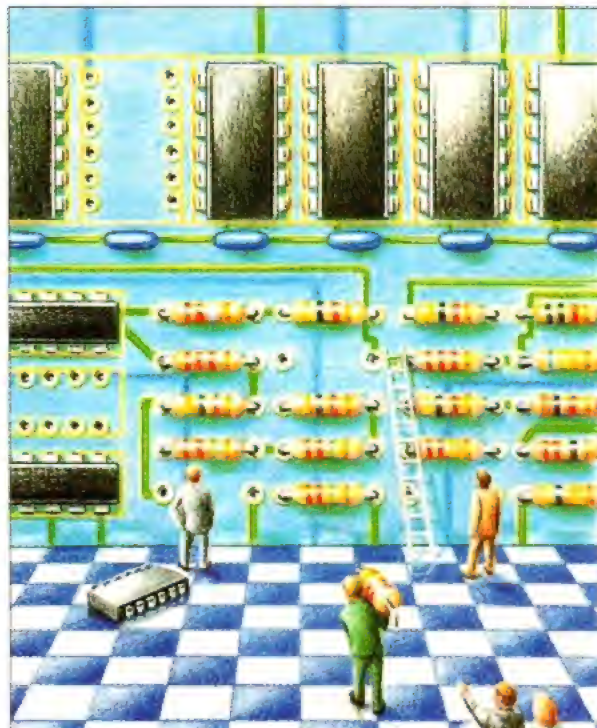
Please be ready to give your name, address, computer type, serial number and the type of fault.

The cost is £57.45 for an Amiga 500 and £47.45 for a C64. Payment can be made by cheque, postal order or credit card.

**THE
NATIONAL
REPAIR CENTRE**

0 7 3 3 3 9 1 2 3 4

FMG House
Newcombe Way, Orton Southgate
Peterborough PE2 0SF



AMIGA REPAIRS



**£57.45
COVERS
ANY
REPAIRS**

Who are two of the best animators in the world? Disney and Hanna Barbera? Well that may be the case but it takes more than a couple of big names to make a successful graphic adventure, as our Willy finds out...

Willy Beamish



Oh, the classroom. To complete this game your first priority is to get out of the place. Note the lush artwork.

This was created by two professional cartoon artists, one from Disney and one from Hanna Barbera. They painted the originals and they were then digitised professionally before being ported over to the Amiga. It's a pity that the animated sequences aren't as good as *The Little Mermaid* or even *Tom and Jerry*.

The animation sections of the game, while pleasantly diverting are slow. You certainly wish that Willy could move with a bit more speed sometimes, though with the number of colours on screen at once, it's probably not a reasonable request.

Willy Beamish is fairly fun for a while, though it probably won't grab hold of anyone's attention for any great lengths of time. This is due, in part, to the incredibly slow disk accessing. The game comes on a massive 12 (!) disks (yep count 'em) and you find that most of your time is spent swapping disk nine with three or disk two with eight. In fact this disk swapping is so soul destroying that it's not worth getting the game at all unless you've got a hard drive on which to install it. The verdict then takes into account the disk accessing; if it came on fewer disks and was a bit quicker it would have been a different story. As it is *Willy Beamish* is tortuous fun.

Progress through *Willy Beamish* can be a frustrating process. You see, there are portions of the game where the computer characters interact with each other, during which your only job is to keep hitting the right mouse button. For instance, in the hallway after you've



Great questions of our time. Of course, knowing Willy's luck, Coach is going to say, "No way buddy."

you save the game regularly then you could probably finish the entire game without having to restart once. In fact it would seem that this game was aimed fairly and squarely at kids: American kids at that.

Your mother wouldn't like it

Actually that's a lie, she'd love it. This is one of those wholesome games which you could happily let the Pope loose on. The graphics are superb, they've achieved a kind of oil-painting sheen to them which is evocative of Doctor Seuss in the Nineties.



The contents of Willy's desk is an interesting sight. Note the spray can and the rather obvious pun on the lid to Nintendo and Atari. Such drollness, such ribaldry, such junk.

It's curious how you can tell which country a game's from. French games are usually very weird and very colourful, while the Germans like technical and fast games. The Americans however, seem to have a never-ending desire to create film-like games on computers, hence games such as *Monkey Island* and anything by Sierra.

Willy Beamish is Sierra's latest outing and true to form it's a sort of movie game about a small boy and his frog called Horny. The storyline goes something like this: Willy's about to get an awful grade on his report card which means he won't be able to go to the Nintari championships, which is a kind of computer console Olympics.

It's a different sort of game altogether...

This is a curious type of game. It squats squarely between more standard graphic adventures and strategy/decision-making games. A typical scenario will involve you making a few decisions on Willy's behalf, such as sneaking out of class or not and then making the most of any situations that arise as a result in a more standard inventory, object, solution form.

For example, at the beginning Willy's stuck in class. The obvious way to get out is to fake a stomach cramp. Every time there's a decision to be made a window pops up and you simply choose the appropriate choice. A bit more of the story will then play out. Should things quieten down you'll be presented with the option of exploring the room on-screen by moving the mouse pointer about and trying to pick things up or exit to other locations.

Typically there are about five decisions to each static screen section. Thus it's easy to take the story off at complete tangents. Using the earlier example for instance, if you don't go to see the school nurse then you can do some writing and sneak out while the teacher's got her back turned to you.

It's not terribly taxing on the brain cells. If



Should our beloved hero screw things up, his mum and dad will find out about his appalling grades and pack him off to Bill and Ted's worst nightmare: the military school.

In this instance Willy mistimed his departure from the classroom and before he could blink he was having his head shaved and his locker searched. There are woggles of alternative endings which Willy can have, this is just one of them.

sneaked out of class, the coach catches you and asks what you're doing. If you answer incorrectly he'll ask you to do 20 push-ups, which kicks off a small exchange of information. Then finally, when you've done the push-ups he'll ask exactly the same question again. Once you finally figure out what you're meant to do, you'll still have to endure elaborate and time-consuming animated sequences.

"Willy is fun for a while, though it won't grab your attention for very long because of the incredibly slow disk accessing."

If you've got the impression that the game's about waiting, then you're right. While the problems are simply a case of hit and miss, you can't avoid the complex and tedious animated sections. If you forget to save regularly you'll end up having to watch the same yawn-inducing bits again and again.

Struck it lucky?

Willy Beamish is touted as a humorous game. The only funny thing about this game is that it

comes on 12 disks and costs £34.99. Sierra claim that the game's got "a spice of adult humour thrown in." What they mean by this is your bog-standard Benny Hill humour which is about as funny as Barrymore's new show. For example, if you make a trip to the nurse's office, you'll discover an extremely buxom girl who's ample proportions quiver about. Seriously, it's not titillating and it's not funny.

Other reasons to be dubious about this program's credentials include the fact that they give you a note book, stickers and assorted rainforest wasting bump and the fact that it's sold 80,000 copies in the United States already. However the fact that the backdrops were drawn by two professional artists from Walt Disney just isn't enough to stop the program being consigned to the could-have-been-but-isn't file.

Andy Hutchinson



Willy's come a bit of a cropper at the hands of the masochistic coach. Once he's complied and done his 20 push-ups the coach will still want to see his hall pass.

Willy Beamish Sierra ■ £34.99

- Some gloriously colourful and extremely effective graphics.
- Twee sound and sometimes obscure American references.
- Mind boggling number of disks means lengthy disk accessing spoils any fun.
- Fairly simplistic adventure dressed up with glossy graphics.

Verdict 44%

The Addams Family



ocean



After years in darkness, the future for role-play games looks bright again. Have you seen the light? Maybe you'll find it in the twilight zone, where the darkness meets the day, and shady characters from Domark tread carefully.

Shadowlands is full of devious traps, like this pressure-pad and pit problem. On the early levels, like this one, clues are always at hand. Check the walls – but have your money ready.



Shadowlands

Originality is always scarce in this business – you only have to look at the hordes of plagiaristic shoot-em-ups to see that. As soon as someone hits upon a neat concept for a game, everybody rips it off. But Teque Software, the guys who are behind Domark's new fantasy role-playing game, *Shadowlands*, have decided to ignore what's gone before, and try to re-invent the wheel. A difficult task indeed, but one that they've taken on with gusto – and the results speak for themselves.

Shadowlands is the first decent role-playing program to develop the ideas from *Dungeon Master* and *Eye of the Beholder*, and

add a new twist that works. Instead of the 'player's-eye view' which was used in both of the old classics, *Shadowlands* uses a 3D-isometric view, (rather like the one in *Hero Quest* except that it runs in real time) to help you guide your party of four adventurers around an underground dungeon.

In the past, this type of view has usually been severely dogged by playability problems: monsters and party members simply disappearing behind foreground walls (and usually dying before you get chance to wiggle them back), or they just animate badly around corners and get stuck on other objects which are hidden from view. Not so in *Shadowlands*.

Using some neat tricks and well-studied designing, Teque have made these long-standing nags ancient history.

Blinded by the light

The first and most obvious trick concerns the foreground walls. As your party approaches a wall which might obscure them from view, the wall disappears, leaving just a simple red line on the floor in its place. Sounds a bit too easy to work, but it does. You know for sure that there will never be anything to examine on the back of a wall (because they always vanish before you can search them), but this is no problem. You may find objects on the floor

I'M ALL FINGERS AND THUMBS, ME!

The key to success is swift, precise character control, so here's a handy guide to take the legwork out of arming yourself.

LEFT ARM AND HEAD – top up your energy by munching the apples and bread you find on the quest. Put the food in the left hand, click on the arm and then the head to make your character gobble up the goodies. Use food sparingly, because it's in short supply, and you may even need to drain its magical force to use in spells later on.



HEAD – to look at something, like a plaque or an inscription, click on the head and then click on the object to be examined. Your character strolls over and the message is displayed in the middle of the screen. But remember, reading in the dark is nigh-on impossible, and very bad for your eyes.

LEFT ARM – your attacking arm. With a weapon in the hand, click on the arm and the monster of your choice. Your man attacks repeatedly, until you call him off. If you're not paying attention and he's not winning, he'll fight to the death.



RIGHT ARM – click on this arm to tell your character to pick something up. Click again on the object you want to grab and your character walks over, stoops down and gathers it up.

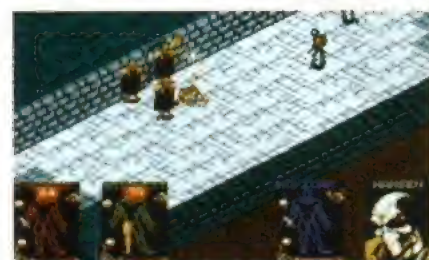
LEFT ARM AND RIGHT ARM – some objects are for throwing, or dropping. Put the object in the left hand, highlight the left and then the right arm. Finally, click on the floor and the object is hurled away.

RIGHT LEG – occasionally, you'll want members of your party to do different things at the same time. Use the right leg to select each character one at a time, and then click on the place you want them to move to.

LEFT LEG – most of the time, your party moves as a group. Highlight a left leg to call the party into formation around that character. Five different formations can be selected using the function keys.

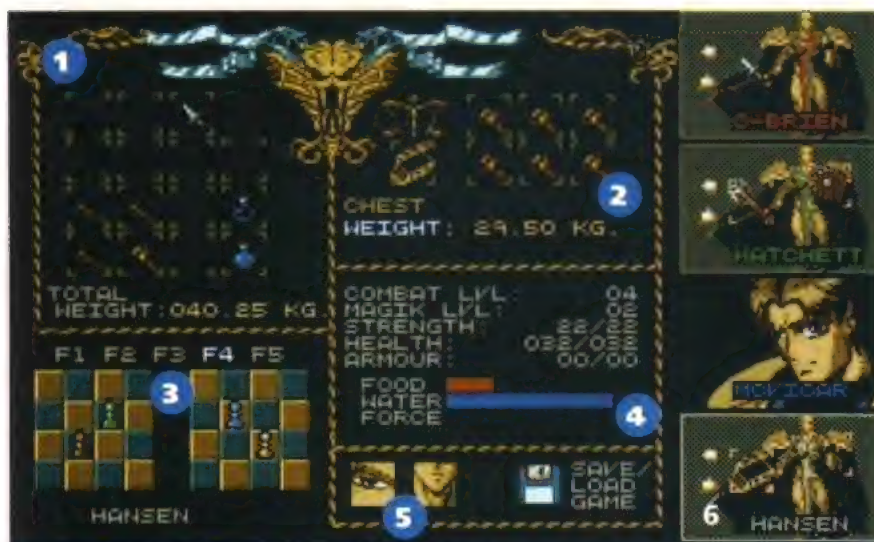


FACE – when the currently controlled character strays too far from the others, their body icons disappear, and you can no longer call them into formation around the wanderer. The body icons are replaced by each player's face – to regain control, just click on the face to re-centre the display on the chosen character and display his body icon again.



Irresistible levers and tantalising switches litter the dungeons and passages in *Shadowlands*. Many of them are used for opening doors and energising teleporters, but they're not always helpful. The trouble is, the only way to find out is to chance your arm – unless you can be bothered to read the nearby signs.

Yank the wrong lever by mistake (or just because your curiosity gets the better of you), and you may find yourself confronted by fireball-wielding skeletons, like the pleasant fellas above. You'd better be fit enough to run like crazy, or you're toast before you can say "No marmalade for me, thanks," and your game is over. Don't say you weren't warned.



The inventory screen lets you shuffle around all the things you find, and check up on your health. 1. These are the contents of your expansive backpack. You automatically put items into your hand. 2. Holding items here enables you to examine them closely. Chests can only be opened here. 3. The five travelling formations are created here using the chess pieces to represent your party. 4. Experience levels and health indicators are displayed here. Top them up by fighting and eating. 5. Sleep and food is essential to keep you alive. Close the eye to snooze, and put food in the mouth. 6. Select characters with these panels. If they're close, you can pass things from one to another.

just behind a wall, however, and the disappearing trick makes looking for them easy.

Shadowlands' most atmospheric feature (and the one which it gets its name from) is the use of light and darkness throughout your quest. Much like *Dungeon Master*, you can pick up flaming torches from holders in the walls and carry them around with you to light your way during the adventure. But the lighting effect in *Shadowlands* goes one better – a circle of light follows the torch-bearer, gradually diminishing as the torch burns down. The light behaves almost naturally, shining through open doorways in shafts as you approach the threshold, and then blossoming out on the other side as you pass through. You can even throw them down passages and watch them light the way ahead.

A new perspective

Another facet which makes *Shadowlands* a kind of '*Dungeon Master Plus*' is the controllability of the party. *DM* only ever allowed you to move your party as a single group – *Shadowlands* lets you split them up into different travelling formations, even as two distinct groups, as well as move individual members anywhere you want. This makes *Shadowlands*

a far more plausible game than *DM*, and it gives you total control over the actions of your party. The downside, however, is that you have to work just that little bit harder to manage everything effectively – but that's what role-playing is really all about.

Despite creating their own style of role-playing game, Teque know when established ideas work well enough, and leave them be. So

“Shadowlands is the first decent role-playing program to develop the ideas from *Dungeon Master* and *Eye of the Beholder*, and add a new twist that works.”

you'll find loads of magical items and spells, monsters and weapons, keys and locked doors, pits, pressure pads and plenty of leap-of-faith puzzles. The monsters (which range from slashing skeletons to fireball-chucking barbarians) vary in strength as you go deeper into the tunnels, and *Shadowlands* alters their relative toughness depending on your success so far.



Same old Saturday night story: you're bringing a few mates back from the pub late and you're fumbling in the dark for the door key. Typical!



Teleporting always gets you into trouble. You appear in a room full of dark shapes – one false move and they'll be over to punch your lights out.

Perhaps the most annoying of all are the rats – these bite you repeatedly if they catch you standing still. They can't be killed and they even follow you through teleports. Dodge and run is the motto here.

This time it's personal

Another enhancement to the gameplay is the character generator which enables you to create your own team with your choice of statistics for health, magic power, strength and combat abilities. You can create individual faces for your characters by using the identikit system which combines many different style heads, chins, eyes and hairstyles together. With the in-built load-and-save function (which also includes a disk-formatter), you can negotiate *Shadowlands* with a group of hand-crafted alter-egos and really get the best enjoyment possible out of it.

So if you're looking for something in the role-play vein which is a bit different, has oodles of late-night, early-morning appeal, and is good enough to let your mates watch over your shoulder, get *Shadowlands* or you truly will be in the dark.

Neil Jackson



Fighting with the dungeon inhabitants is a tense, nail-biting affair. Your alter-egos are hardy, loyal fighters, and they'll slug it out to the death, once you've issued the order. But if they start taking serious hits, you've got to call them out fast. Not easy, when you're panicking.

Shadowlands
Domark ■ £29.99

- Superbly atmospheric role-playing game with more flexibility than *Dungeon Master*.
- Excellent graphic effects which include realistic torchlight and darkness.
- Huge network of underground passages and tunnels to get completely lost in – bigger than the *Eye of the Beholder*.
- The next logical step in role-play – at last you can split up your party, but still retain control over them.

93%

TECHNOMANIA

Commodore Amiga Cartoon Classics Pack

3 Great Games
Lemmings (Psygnosis' Smash Hit)
The Simpsons versus the Space Mutants
Captain Planet and the Planetoids
Also Deluxe Paint III (Electronic Arts Superb Art Package)
and Commodore's A501 512K Ram Expansion

£359.99

Commodore Amiga 1500

1 Megabyte of memory, two 3.5" disk drives
and the following software:
Toki, ELF, Puzznic, Home Accounts
and The Works (Integrated word processor,
spreadsheet and database)

£659.99

With Philips CM8833 Mk2 Colour Monitor
£889.99

MONITORS

Commodore 1084S£259.99
Philips CM8833 Mk2 (inc. cable, free copy
of F19 and one year on site
maintenance)£244.99

PRINTERS. (all printers include cable)

Citizen 120D+£134.99
Citizen 124D£194.99
Citizen Swift 9£194.99
Citizen Swift 24£284.99
Optional Colour Kit for Swift printers£34.99

Seikosha SP1900AI (9 pin Dot Matrix)£124.99

Canon BJ10E£264.99

Star LC20£154.99

Star LC200 colour£229.99

Star LC24-200 mono£259.99

Star LC24-200 colour£299.99

ACCESSORIES

Cumana CAX354 External Disk Drive£59.99

512K memory upgrade with clock£31.99

Squick Replacement Mouse£14.99

Naksha Mouse with Operation Stealth£26.99

Golden Image Optical Mouse£36.99

Commodore A590 20Mb Hard Drive£289.99

Dataflyer 500 fitted with 52Mb Hard Drive£329.99

Please phone for pricing of 105Mb, 210Mb and
420Mb hard drives.

VXL030 25MHz Accelerator Board for Amiga

500, 1500 & 2000£259.99

VXL030 40MHz Accelerator Board for AmigaPOA

Maths-Processor (FPU) upgrades and up to 8Mb of
32 bit memory also available for VXL030.

KCS PC Emulator£224.99

Many other products available. Please phone for a
price on your specific requirement.

All prices include
17.5% VAT and
Next Day Delivery
on hardware



TECHNOMANIA,
13 WELLBURN STREET
DUNDEE, TAYSIDE DD2 2RR.

PHONE: 0382 22323

FAX: 0382 400444



Please allow five working days
for cheque clearance. Prices are
subject to change without
prior notice. Orders received
by 3pm despatched same day.

3 1/2" DISKS BENCHMARK BRAND DS/DD

25	50	100
£18.00	£31.00	£45.00
200	500	1000
£80.00	£173.00	£329.00

3 1/2" DISKS UNBRANDED DS/DD

25	50	100
£12.80	£21.00	£39.00
200	500	1000
£73.50	£166.50	£313.50



Admission with
this voucher

March	April	May	June
8 Scotland 14 London 15 West 21 East Midlands 22 North	12 North East 26 West Midlands	16 London 17 West	7 Scotland 14 North West
- City Hall, Candleriggs, Glasgow - NOVOTEL, Hammersmith - Brunel Centre, Temple Meads Bristol - Dorington Park, J23A M1 - University Sports Centre, Calverley Street, Leeds	- Northumbria Centre, Washington, A194 (M) - National Motorcycle Museum, J6, M42	- SANDOWN Exhibition Centre - Brunel Centre, Temple Meads, Bristol	- City Hall, Candleriggs, Glasgow - Haydock Park, J23, M6

All fairs 10am till 4pm
Ample Car Parking at all venues

**ADVANCE
TICKETS**



Normal Admission £4.00
Sole agent for advance tickets
(Use this voucher for £1 off)

**JRMH
TELEPHONE
(0225) 868100**

Only one voucher per person. No cash value

DISK STORAGE BOXES

3 1/2" 10 capacity Qty 5	£4.50
3 1/2" 50 capacity lockable	£3.70
3 1/2" 100 capacity lockable	£4.70
3 1/2" 240 capacity stackable	£15.00

THESE PRICES ONLY IF BOUGHT WITH DISKS

**M
C
S**

ALL PRICES INCLUDE VAT & P&P UK ORDERS ONLY

Cheques and
Postal Orders to:



24 HOUR ORDERLINE 0597 851784

Manor Court Supplies Ltd

Telephone: 0597 851792 Fax No: 0597 851416

Dept AF04, Glen Celyn House, Penybont, Llandrindod Wells, Powys, LD1 5SY

EDUCATION AND GOVERNMENT ORDERS WELCOME

ALL DISKS 100% CERTIFIED ERROR FREE

TOTAL is the only mag that's 100% dedicated to Nintendo gamers. So if you own an NES or a Game Boy...

Oh noooooo! Issue three of TOTAL is in the shops and I forgot to reserve a copy. Now I won't be able to read about all that fab Nintendo stuff



I swear, zis is ze only mag for NES and Game Boy reviews, no problemo! (Boy, do I feel a gimp.)



See? Even that gimp wants to buy TOTAL and he helped to write it. Can YOU afford to miss out on over 70 pages of TOTAL Nintendo action?

... You'd better get issue three of TOTAL. Out now!

FAST, FRIENDLY,
EFFICIENT SERVICE
FROM THE AMIGA
PROFESSIONALS

AMIGA SUPERMARKET

LOW COST TV TUNER LOWER PRICE

Use your Monitor as a excellent quality tv for only £49.99. Fully compatible with the Philips & Visto 8833, Mk1&2, Commodore 1084/s/di monitors & Amstrad CPC monitors.
RGB Multisync monitor version available. Please state monitor when ordering
PHILIPS/COMMODORE/AMSTRAD VERSION £49.99 >>
Multisync monitor version with RGB output £69.99 >>

DESK TOP VIDEO PERIPHERALS

VIDI+ RGB Splitter & Vidichrome	£139.99
VIDI & VIDICHROME special price	£84.99
RGB SPLITTER Rombo Electronic type	£54.99
ROCCGEN GENLOCK SAVE £££s	£94.99
ROCCGEN PLUS GENLOCK	£149.99
SUPERPIC - Colour Digitiser & Genlock	£584.99
SUPERPIC ANIMATE	£684.99
COLOURPIC colour digitiser	£484.99
COLOURPIC ANIMATE	£589.99
CABARET SOFTWARE FOR COLOURPIC AND SUPERPIC	£87.99
CABARET PLUS	£99.99
DIGIVIEW GOLD the best with a camera	£599.99
REDALE SUPER 8802 SVHS GENLOCK	£599.99
HITACHI MONO CAMERA LOW PRICE	£179.99
VIDEO RECORDING ENHANCER	£37.99

HIT TECH UPGRADES & SPARES

KICKSTART 1.3 ROM	£29.99
KICKSTART 2 ROM	£77.99
FATTER AGNUS 8372A	£69.99
8520A I/O chip	£15.99
1500/2000 8MEG CARD unpop uses simms	£79.99
1500/2000 SCSI controller card	£89.99
A520 MODULATOR	£29.99
UPRATED A500 POWER PACK	£44.99
ICD ADSPEED 14MHz ACCELERATOR	£189.99
AT ONCE 16MHz PC EMULATOR	£199.99
256*4 CMOS DRAMS each £4.25 or £33/meg	£37.99
1meg * 9 SIMMS 70 or 80 ns	£29.99
23 WAY PLUG & COVER solder type	£29.99
23WAY SOCKET & COVER solder type	£29.99
AMIGA INTERNAL replacement drive	£69.99
AMIGA 500 ROM SWITCH roms extra	£24.99
MAINS SUPPRESSOR BLOCK 4WAY	£12.99
3.5" DISK DRIVE HEAD CLEANER	£4.99
BUDGET REPLACEMENT MOUSE	£18.99
4 JOYSTICK ADAPTOR	£8.99

ACCESSORIES

SQUICK MOUSE	£15.99
CDTV KEYBOARD - BLACK	£49.99
AMIGA HANDY SCANNER	£99.99
NAKSHA SCANNER	£109.99
CRP A4 GRAPHICS TABLET	£329.99
MOUSE STICK CONTROLLER	£65.99
DELTA 3A ANALOGUE JOYSTICK	£14.49
ZIPSTICK AUTOFIRE	£12.99
PRO 5000 COMBAT	£9.99
PRO 5000 STAR	£13.99
QUICKJOY SUPERSTAR	£13.99
MEGA STAR HEAVY DUTY JOYSTICK	£26.99
NAVIGATOR AUTOFIRE JOYSTICK	£13.99
QUICKJOY PYTHON	£11.99
AMIGA TRACKBALL	£34.99
CRYSTAL TRACKBALL	£39.99
MARCONI TRACKERBALL	£49.99
PHAZER LIGHT GUN PACK	£34.99
GOLDEN IMAGE OPTICAL MOUSE	£38.99
MOUSE MAT	£3.99
MOUSE HOLDER	£1.99
150 SIZE POSSO TYPE BOX	£19.99
40/50 SIZE LOCKABLE DISK BOX	£6.99
80 SIZE DISK BOX	£7.99
100 SIZE DISK LOCKABLE BOX	£8.99
TDK BRANDED DISKS PACK OF 10 INCLUDING LABELS	£7.99

AMIGA BOOKS

* = PRICE INCLUDES PROGRAM DISK	
AMIGA FOR BEGINNERS	£12.45
AMIGA BASIC INSIDE & OUT	£18.45
AMIGA SYSTEM PRO GUIDE	£32.45
AMIGA ADVANCED SYSTEM PROGRAMMERS GUIDE	£32.45
AMIGA DISK DRIVES 1 & 0	£27.95
AMIGA DOS INSIDE OUT	£19.95
AMIGA PRINTERS 1 & 0	£31.95
AMIGA DESKTOP VIDEO	£17.95
AMIGA 3D GRAPHICS	£17.95
MAKING MUSIC ON AMIGA	£27.95
AMIGA GRAPHICS 1 & 0	£31.95
AMIGA MACHINE LANGUAGE	£14.45
AMIGA C FOR BEGINNERS	£17.95
AMIGA C FOR ADVANCED PROGRAMMERS	£32.45
AMIGA DOS MANUAL	£19.95
KIDS & THE AMIGA	£15.95
BEST AMIGA TRICKS & TIPS	£27.45
MAPPING THE AMIGA	£24.95
MACHINE LANGUAGE FOR BEGINNERS	£19.95
ELEMENTARY AMIGA BASIC	£14.95
ADVANCED AMIGA BASIC	£16.95
PROGRAM DESIGN TECHNIQUES ON THE AMIGA	£16.95
FIRST BOOK OF THE AMIGA	£16.95
AMIGA ASSEMBLY LANGUAGE PROGRAMMING	£14.45
USING DELUXE PAINT	£19.95
AMIGA VISION HANDBOOK	£23.45
THE IMAGINE COMPANION	£24.95
VIDIA PAGESTREAM GUIDE	£4.95
VIDIA PROF PAGE GUIDE	£4.95
HARDWARE REF MANUAL	£21.95
68000 ASSEMBLY LANGUAGE PROGRAMMING	£24.95
AMIGA ROM KERNEL REFERENCE BOOKS - 3 AVAILABLE - each	£28.95
DELUXE PAINT VIDEO	£19.99
I&O = ABACUS 'INSIDE & OUT' SERIES.	

SEAL n TYPE KEYBOARD SKIN. Waterproof & moulded to cover each key. AMIGA 500	£12.49
ANTISTATIC DUST COVERS	
AMIGA 500 & Plus	£4.99
AMIGA 1500/2000 2pc	£12.99

CYCLONE ADAPTOR £12.99

KCS PC CARD v3	£204.99
PLEASE STATE IF AMIGA PLUS VERSION REQUIRED.	
DEDUCT £18.00 IF MS DOS NOT REQUIRED.	
1500/2000/3000 ADAPTOR	£64.99

NAKSHA AMIGA MOUSE + OPERATION STEALTH £24.99

SALES: 0274-691115

TV TUNER with NICAM STEREO SOUND.
Very high quality picture & stereo sound.
Built in stereo amplifier. £159.99

EDUCATIONAL COMPENDIUM 6

SPECIAL BOXED SET COMPRISING:
KIDS TYPE,
WEATHER WATCHER,
CALENDAR QUIZ,
WORDS & NUMBERS,
GAME SET & MATCH
WHAT IS IT WHERE IS IT?

ALL FOR ONLY £39.99

X COPY PROFESSIONAL V9

Latest version - only £33.99
including Cyclone adaptor.
(Adaptor available separately - £12.99)

NB. Making backups without the permission of the copyright holder is illegal.

DIGIVIEW MEDIATION STATION DIGIVIEW + DIGIPAIN 3 + ELAN PERFORMER SPECIAL OFFER - £134.99

MOUSE/JOYSTICK PORT SWITCH NOW £12.99 >>

- Has sockets for mouse & a joystick.
- Push button operation
- Uses no power unlike other types.
- Compatible with many dongles.
- Saves wear & tear on mouse port.

SUPER-FI ONE STEREO SYSTEM

- POWERFUL 12 watts / CHANNEL.
- COMPACT BOOKSHELF CABINET
- 3" WOOFER + 1" TWEETER
- BASS REFLEX PORT
- 30Hz - 20kHz RESPONSE
- BUILT-IN MAINS POWER UNIT
- REMOTE VOLUME CONTROL.

SPECIAL OFFER PRICE - ONLY £34.99 >>

SOUND BLASTER	£44.99
ZYFI	£39.99

SUPER-FI TWO STEREO SYSTEM

- MASSIVE 20 watts/channel.
- BASS & TREBLE CONTROLS
- 4" WOOFER, 2" TWEETER
- BASS REFLEX PORT
- BUILT-IN MAINS POWER UNIT
- THE ULTIMATE SOUND SYSTEM FOR COMPUTERS, NICAM VCRs, SATELLITE SYSTEMS ETC

ONLY £59.99

MIDI INTERFACE 2

Our unique 5 port Midi interface 2 has In, Out & Thru sockets plus two additional switchable out/thru sockets for ingenious versatility. Complete with free midi lead. Fully compatible with Sequencer One, Music X, Deluxe Music, Tiger Cub, Bars & Pipes etc etc.

NOW ONLY £26.99 >>

MIDI 2+ MUSIC X	£99.99**
MIDI 2+ TIGER CUB	£74.99**
Extra Midi leads	£1.99 each

SAMPLER 2

Our superb sounding STEREO SAMPLER 2 uses a state of the art A/D chip which samples so fast, it captures every detail of the sound. Easily adjusted level control, connecting lead & free stereo sampling software. Fully compatible with all popular sampling software. NOW ONLY £37.99 >>

Special offer.

Sampler 2 & Audition 4 £69.99

SOFTWARE SUPERBUYS

ADVANTAGE	£74.99
AMI ALIGNMENT	£29.99 >>
AMAS 2	£79.99
AMIGA VISION	£98.99
AMOS	£34.99
AMOS 3D	£25.99
AMOS COMPILER	£22.99
ART DEPARTMENT	£54.99
ART DEPARTMENT PRO	£119.99 >>
ASSEMPRO	£59.99
AUDITION 4	£37.49
AUDIOMASTER 4	£49.99 >>
AUDIO ENGINEER	£169.99
BAR & PIPES	£99.99 >>
BBC EMULATOR	£29.99 **
BROADCAST TITLER 2	£167.99
CAN DO 1.5	£74.99
CASH BOOK CONTROLLER	£52.49
CLASS OF 90s S/WARE PACK	£99.99 **
CROSS DOS	£21.99
DAY BY DAY	£22.49
DELUXE PAINT 2	£14.99
DELUXE PAINT 4	£57.99
DELUXE MUSIC	£49.99
DELUXE PRINT 2	£29.99 >>
DELUXE VIDEO 3	£74.99
DEVPAC 3 - new version	£51.99
DG CALC	£29.99
DIGIPAIN 3	£39.99
DIRECTORY OPUS WITH VIRUS CHECKER	FREE
DISK MASTER	£29.99 >>
DISK MASTER 2	£49.99
DISNEY ANIMATION STUDIO	£69.99
DOCTOR AMI	£29.99
DR TS TIGER CUB	£49.99 >>
DR TS KCS LEVEL II	£199.99 >>
ELAN PERFORMER 2	£44.99
E TYPE	£29.99
EXCELLENCE	£59.99
FINAL COPY	£54.99
FLOW v3.0	£59.99
FLIGHT SIMULATOR II	£29.99
FLIGHT SIM SCENERY DISKS	£16.99
FONT GRABBER	£37.49
GB ROUTE PLUS	£59.99
GFA BASIC Special offer	£9.99 **
GOLD DISK OFFICE	£74.99 >>
HIGH SPEED PASCAL	£74.99
HOME ACCOUNTS 2	£39.99
HOMEBASE	£24.99
IMAGINE	£144.99
INFOFILE	£29.99 **
INTROCAD	£34.99 >>
KINDWORDS	£37.49
MACRO 68000 ASSEMBLER	£39.99
MAILSHOT PLUS	£37.49
MICRONAV FLIGHT SIM	£99.99
MUSIC X v1.1	£74.99**
PAGESTEAM 2.1	£139.99**
PAGE SETTER 2	£44.99
PEN PAL	£54.99 *
PERSONAL TAX PLANNER	£29.99
PIXMATE	£34.99
PROFESSIONAL CALC	£134.99
PRODATA	£74.99
PROFESSIONAL DRAW 2	£94.49
PROFESSIONAL PAGE	£149.99**
PROF PAGE FONTS	£29.99
PROTEXT v5.5	£109.99
PRO VIDEO PLUS	£174.99
PROWRITE 2.5	£29.99 **
PROWRITE v3.2	£89.99 >>
QUARTERBACK	£38.99 >>
QUARTERBACK TOOLS	£48.99 >>
QUARTET	£34.99
SCALA 500	£74.99
SCRIBBLE PLATINUM	£37.49
SCULPT 3DXL	£89.99
SCULP ANIMATE 4D JNR	£89.99
SEQUENCER 1+	£phone
SONIX	£33.49
STEREO MASTER	£29.99
SUPERPLAN	£69.99
SUPERBASE PERSONAL	£29.99
SUPERBASE PERSONAL 2	£39.99**
SUPERBASE PROF 4	£199.99
SUPERPLAN	£74.99
SYSTEM 3	£37.49
TAKE 2	£69.99
TEN STAR GAMES PACK	£29.99 **
TRANSMITE	£28.99
TURBOPRINT	£37.49
VIDEO EFFECTS 3D	£99.99 >>
VIDEO TITLER 3D	£67.49
WORD PERFECT	£139.99 >>
WORDWORTH	£78.99
3D CONSTRUCTION KIT	£37.49

>> = PRICE CUT ** = LIMITED OFFER

MOST EDUCATIONAL SOFTWARE ALSO STOCKED AT DISCOUNT PRICES

AMIGA SUPERMARKET

TRILOGIC,

UNIT 1, Dept AF4,
253 NEW WORKS RD,
BRADFORD, BD12 0QP

TEL: 0274 691115 FAX 0274 - 600150

HOW TO ORDER. ALL PRICES INCLUDE VAT Commodore dealer since 1984

BY PHONE: Simply phone us with your Access or Visa number (inc Connect & bank debit cards) for same day despatch. (if goods in stock - most are, & orders are received before 3pm). You are not charged until the goods are despatched.

BY MAIL: Send cheque, (made payable to TRILOGIC), PCs, or your c/c card number & expiry date, order details, & name & address to the address below.

POSTAGE: Please add nominal post & packing charge of just £1 to orders under £100, or £2 to orders over £100 unless optional Express delivery is required.

OPTIONAL EXPRESS DELIVERY - Recommended for orders over £50.00 in value. 2-3 day delivery - add £3.50

Next Working Day Delivery - add £5.50 (Please allow 2-3 days for remote areas, (UK mainland only). Weekday delivery only. Not guaranteed next day.

CALLERS MOST WELCOME: Open mon-fri 8 till 6, sat 8-4pm.

We're easy to find, just 1.5 miles from the M62. Directions. Leave M62 at junction 26, take A638 to Bradford, uphill, after about 1.5 miles, turn left just over a railway bridge. After 1/4 mile, look for us opposite a Royal Mail letterbox.

AMIGA SUPERMARKET

**MANY PRICES
HAVE BEEN ✂**

**BIGGEST
RANGE IN UK ?
LOW PRICES
FAST SERVICE**

CARTOON CLASSICS

BUILT-IN DISK DRIVE
1 MEG RAM
MOUSE
TV MODULATOR
WORKBENCH 2
BUILT-IN CLOCK

LEMMINGS
THE SIMPSONS
CAPTAIN PLANET
DELUXE PAINT 3

LOW COST 3 & 5 YEAR EXTENDED
WARRANTIES AVAILABLE.
PLEASE SEE BELOW.

AMIGA 500PLUS

* Please phone to check
our latest low price.

ONLY £339.99*
with 2meg £379.99*

SUPERB 10 STAR PACK

MICROSWITCH JOYSTICK
10 DISKS, LABELS & BOX
MOUSE MAT
TAILORED DUST COVER

ALL FOR JUST £39.99

WITH ANY AMIGA PACK.
(Or £55.99 separately. 10 Star
Games only - no joystick or
accessories - £24.99)

Total value over £275

PLUS 10 GREAT GAMES:
DUNGEON QUEST
SOCCER
KID GLOVES
RVF HONDA
POWER PLAY
SHUFFLE PUCK CAFE
TOWER OF BABEL
DATAFORM
E MOTION
GRAND MONSTER SLAM

COLOUR MONITORS

A MONITOR BARGAIN - THE VISTO 8833

- same spec as 8833mk2, stereo sound, with free on
site warranty, & leads. **HURRY** £199.99

PHILIPS CM8833 mk 2 £219.99<

COMMODORE 1084Sdi - new model £239.99<

Add just £40 for TV Tuner when purchased with
any of the above monitors.

MULTISYNC MONITORS - please phone
NB VGA monitors are NOT Amiga compatible unless they are
true multisync type (15.6KHz approx horiz freq capability).

MONITOR ACCESSORIES

MONITOR PLINTH WITHOUT SHELF £23.99<

MONITOR PLINTH WITH SHELF £33.99<

14" MONITOR TILT/SWIVEL BASE £12.99

MONITOR DUST COVER state monitor £7.99

SCART SWITCH - effectively gives your tv or monitor two
scart sockets Enables ANY two scart leads eg Amiga & vcr, to
be connected to one scart socket. Fully switched. £19.99

AMIGA TV/ MONITOR LEADS.

AL1 for most Scart tvs except some Goldstar & vcrs £12.99

AL2 for Ferguson MC01/35 with 7 or 8 pin din skt £12.99

AL4 for Hitachi/Granada with 7 pin RGB skt £12.99

AL6 for Amstrad CPC monitor - with no sound £11.99

AL6B forw CPC monitor with stereo sound £12.99

AL7 for 1084 monitor inc audiolead (6pin Din plug) £14.99

AL7P for new 8833/1084s - 9 pin D plug £14.99

AL11 for multisync with 9 pin skt on monitor £11.99

AL11B for multisync with 9 pin plug on monitor £11.99

AL12 for multisync (our lead has 15pin HD skt) £13.99

AL13 for multisync (our lead has 15 pin HD plug) £13.99

MODULATOR EXTENSION LEAD - Moves modulator so it
does not protrude & eliminates loose connection. £10.99

MODULATOR SPLITTER - Enables modulator & RGB lead to
be connected at the same time - for taping Amiga £16.99.

GENLOCK SPLITTER £19.99

TV/ COMPUTER AERIAL SWITCH £8.99

COMPUTER/ AERIAL EXTENSION LEAD 3m £2.49

All leads include audio lead where applicable & are approx
1.8m long. Add £1.50 per metre for longer leads.

HARD DRIVES

DATAFLYER 500 45 £289.99 save £60

DATAFLYER 500 105 £449.99 save £50

DATAFLYER 2000 45 £229.99 save £70

DATAFLYER 2000 105 £359.99 save £90

AVAILABLE NOW (In stock at time of going to press)

DATAFLYER 500 HOUSING & INTERFACE £129.99

DATAFLYER 2000 SCSI INTERFACE £89.99

*The Dataflyers are probably the lowest cost,
best value Amiga Hard drives you can buy.*

PROTAR AMIGA 500 HARD DRIVES

PROTAR A500 HD20 £279.00

PROTAR A500 HD40 £349.00

PROTAR A500 HD50 £369.00

PROTAR A500 HD80 £599.00

MEMORY UPGRADES & OPTIONAL PSU AVAILABLE

GVP HARD DRIVES

GVP SERIES II HD8 52 £369.99

GVP SERIES II HD8 105 £549.99

GVP SERIES II HC8 £159.99

(Scsi controller for 1500/2000, no drive, upto
8 megs ram on board).

PRINTERS

Prices are for
b/w versions

CITIZEN 120D+ now down in price £129.99<

CITIZEN 124D - best budget 24 pin b/w £194.99

CITIZEN 224D (24pin - colour option) £224.99

CITIZEN SWIFT 9 (colour option) £177.99

CITIZEN SWIFT 9X B/W wide carriage £257.99

CITIZEN SWIFT 24E (colour option) £269.99

CITIZEN SWIFT 24X wide carriage £379.99

CITIZEN PRODOT 9 - PROF QUALITY £199.99

FOR COLOUR KIT to convert 224D, SWIFT 9, PRODOT 9 &
SWIFT 24, to colour, add just £20.00. Add £30 for colour kit for
9X & 24x (Colour kit contains ribbon & ribbon motor unit)

CITIZEN PROJET INKJET PRINTER £399.99<

300 dpi laser printer resolution & quality; fast 360cps draft,
120cps LQ; 3 fonts; very quiet; HP Deskjet Plus emulation.
Automatic sheet feeder included. Optional tractor feeder, font
cards & memory cards. Ask for demo, or sample printouts.

SEIKOSHA PRINTERS - ON SPECIAL OFFER

SEIKOSHA SP1900 9pin b/w low cost £114.99

SEIKOSHA SP2415 9pin wide carriage £234.99

STAR PRINTERS

STAR LC20 b/w now down in price £144.99

STAR LC200 colour £209.99

STAR LC24-200 b/w £239.99

STAR LC24-200 colour £299.99

FREE PRINTER CABLE & DRIVER DISK WITH ALL PRINTERS

PRINTER ACCESSORIES

UNIVERSAL PRINTER STAND - open frame type with
paper holder for all 80 column printers. £12.99

TWO PIECE PRINTER STAND for any printer £7.99

80 COLUMN PRINTER DUST COVER state printer £7.99

COPY HOLD - FREE STANDING OR CLAMP £16.99

60gm Fan fold 11x9.5" standing in box of 2000 sheets £21.99

A4 60gm white paper in packs of 500 sheets £5.99

AMIGA PRINTER PORT SWITCH - 2WAY £24.99

AMIGA PRINTER PORT SWITCH - 3WAY £27.99

AMIGA PRINTER PORT SWITCH - 4WAY £33.99

Above Printer port switch prices include cable worth £10.99 to
connect switch to Amiga. These switches are fitted with
sockets identical to the Amiga's printer port - so your printer
cables & other peripherals just plug straight in.

PRINTER SHARER - 2WAY inc free lead £27.99

PRINTER SHARER - 3WAY inc free lead £29.99

PRINTER SHARER - 4WAY inc free lead £34.99

AMIGA PRINTER LEADS

AMP1 1.8m long for all parallel printers £9.99

AMP 2 3m long for all parallel printers £12.99

AMP 3 5m long for all parallel printers £16.99

PRINTER PORT EXTENSION LEAD (M-F) £10.99

PRINTER PORT TO SWITCH LEAD (M-M) £10.99

PRINTER RIBBONS (Compatible types)

9 PIN B/W 80 column ribbon - state printer - available for
popular Amstrad, Citizen, Panasonic, & Star £4.99

24 PIN B/W 132col ribbon for LC15, Swift9x/24x £6.99

Swift 9 & 24 Colour ribbon (Citizen brand) £15.99

Star LC200 & LC24-200 Colour ribbon (Star brand) £15.99

RIBBON RE-INKING SPRAY - BLACK ONLY £13.99

PRICES INCLUDE VAT

Price cut >

COMMODORE A590+

A590 + (no ram) 20meg Hard drive £279.99 >

A590 inc 1meg ram £314.99

A590+ inc 2meg ram £344.99

A590 45meg upgrade - easy to fit £199.99

A590 105meg upgrade - easy to fit £299.99

AMIGA 500 1.3 Base Model

Amiga 500, 512k ram, workbench 1.3, psu,
mouse, tv modulator & instruction manuals.
No extra software. Add £20 for extra 1/2 meg
(without clock) **ONLY £289.99**

SPECIAL BONUS PACK.

AMIGA 500 1.3 as above

+ PHOTON PAINT 2 + GFA BASIC+ TEN STAR
GAMES PACK - BEST BUY AT £299.99

AMIGA 1500 Wkbench 2 £569.99<

AS ABOVE PLUS 1084S £819.99

With 1meg ram, twin disk drives, + Software pack comprising:
Dpaint 3, Home Accounts, The Works, Edit, Toki, Puzznic &
'Get the Most from Your Amiga'. Deduct £60 if software pack
not required.

UPGRADE YOUR 1500 OR 2000

8 MEG MEMORY CARD(unpop) £79.99

1MEG SIMMS FOR MEMORY CARD £37.99

DATAFLYER SCSI CONTROLLER £89.99

45meg HARD CARD £229.99

105meg HARD CARD £359.99

PC/AT BRIDGE BOARD & 51/4" DRIVE £499.99

2620 ACCELERATOR, 68030+68882 + 2MEG RAM £429.99

KCS PC CARD + ADAPTOR £264.99

EXTERNAL DRIVES.

ROCLITE RF382C £58.99<

ROCTEC 5 1/4" DRIVE £79.99

CUMANA CAX 354 £58.99<

All are Amiga PLUS & CDTV compatible.

All drives feature thru port & disable switch.

A500 UPGRADE TO 1meg.

No clock £24.99< LOW POWER, 4 CHIP

With clock £28.99< DESIGN, WITH ON/OFF

Gives you 1 meg in total SWITCH. Just plugs in.

Does not affect warranty.

AMIGA
PLUS
COMPATIBLE
(=1.5meg)

IMPORTANT. None of these
upgrades are any more static
sensitive than any other makes.
One day, this magazine will get its
facts right!

AMIGA PLUS UPGRADE To 2 megs - £44.99

Just plugs into 1/2 meg slot. No soldering. Warranty
unaffected. Gives you 2 megs in total.

**Our Extended Warranty & Insurance plan
could save you ££s on accident & repair bills.**

When you buy any computer, printer or monitor from us,
we can offer you a low cost Extended Warranty with
Accidental Damage Insurance. Underwritten by a
leading UK insurance company. For example your Amiga
500 can be covered for three years from date of
purchase for only £44.99, or £64.99 for five years from
date of purchase. Covers all repairs & accidental
damage, with very few exclusions. Must be taken out
within 30 days of purchase. **Atypical Amiga repair costs
at least £45 - & that's at today's prices - so you can't go
wrong!**

SALES HOT LINES: 0274 - 691115. FAX: 0274 600150
Lines open from 8am

Please see opposite for how to order.

Please ask for Free pricelists

© TRILOGIC 1992. E&OE Prices charged are those current on the day you order - occasionally, some may have change either way since this advertisement was completed (11/2/92). All information
herein & opposite, is given in good faith, but no responsibility or liability is accepted for any errors, omissions or inaccuracies. Please phone if in doubt or before calling to check availability.

What happens when preppy American boys leave their Tau Beta Kappa fraternity houses? Does their puerile humour get packed away along with the frat rings? Do their desperate attempts to *screw* any female in sight become subsumed by desperate attempts to *screw* any developing country in sight? In short, do they grow up? Yes and no. Yes, they stop walking around with their underpants over their Levi's - they wear suits instead - but no, their humour remains the same, it just gets more expensive. Take the *LSL* series of games starring the almost certain impotent Larry Laffer.

Larry is what people back in the Forties and Fifties used to call a Lounge Lizard. Now that there are no lounges, we would be more inclined to call him 'Essex Man' or even 'Plonker'. He dresses like John Travolta's rather less talented brother, has a head that is so out of proportion to his cartoon-like body that it looks like he must pump it up with helium every morning, and he gets involved in lots of gorgeously drawn, but essentially tiresome, adventures.

Larry is a legend in the same mould as Carry On films and the Cannonball Runs. The first few were wonderful - all double entendre, risqué humour, and crass allusion - but the next 65 versions go nowhere.

Driller killer

LSL 5 sees Larry and his paramour (dream on Laz) Passionate Patty battling it out against the mob. The fact that you get to play Patty as well as Larry, appears to be a concession to the rather strange idea that women might be sentient beings too. But this image is soon



shattered by a scene featuring the undercover FBI spyette being fitted for some hush-hush equipment by a gynaecologist wielding a drill and wearing a miner's hat. Call me prudish but this image moves away from the amusing Babs Windsor losing her bra while doing exercises, and into the I Spit On Your Grave territory. It's also so completely non-interactive that it does nothing for the limited gameplay and plot.

Ah yes, the plot. Briefly, Patty is working for the FBI in a bid to stop the Mob from making vast sums of money out of cheap, tacky, exploitative porn (sounds familiar). Larry is, unwittingly, working for the Mob as he hunts down the most beautiful women in the world in order to make a cheap, tacky exploitative television show. Little does he know that the Mob want to get the program banned so that they can sell under-the-counter video copies of it at highly-inflated prices. Oh what larks as Patty and Larry work at cross purposes but really together... but is it really together? Ah the complexity of this adventure is enough to blow-off your mind.

Amusingness abounds as Patti meets the FBI for the first time. Look at the funny man, filled with funny fart gas flying funnily about the place. This is where Patti has to undergo some of the most gratuitously nasty surgery ever seen on a computer screen. *Leisure Suit Larry* is packed with laughs(?) like this.



Leisure Suit Larry 5

The Hard Disk cafe, watering hole of the old, the tired and the distasteful. Larry visits in order to pick up the gorgeous pouting Michelle, oh and to have a drink or two into the bargain.



Luckily for the game and the aspirant adventurer, the backgrounds and characters are drawn with an almost Hanna Barbera stylishness - there are even a few digitised images hanging around the place. It looks great. Even the interface is quite neat. It is icon driven and gives you options such as talk, take and walk. Simple to use, it is tried-and-tested and unless your mouse is having convulsions, it should cause you little or no grief.

Do you have a hard one?

Unluckily, unless you have a hard disk and even then plenty of patience, any suspension of disbelief that you might have been able to work up disappears like an afterglow in an abattoir as you make your way through numerous disk changes.

As an adventure game, it's not really up to much. You click on things and ask a few pre-defined questions. The backgrounds are wonderful to look at, but there is very little to do - if it was a text-only adventure the message: "You can't use that", would crop up

Ah filing cabinets. Where would the seedy world of porn be without filing cabinets? And where would the puzzle-filled gameplay be without hundreds of places to look for clues. Go to it Larry, have a good fiddle.

Yo! Larry! what's all this sitting around in restaurants next to fat women and thin men when you should be out chasing down some sex goddesses? Oh, well at least gluttony is a sin too.



more than once. Essentially you are lead to the correct conclusions. The tricks and puzzles are classic Sierra; to buy air tickets you have to have plastic, but you need to use the right plastic in the right place. So you spend ages working out the programmer's (Al Lowe - "a jazz musician who regularly practices safe sax") idiosyncratic logic.

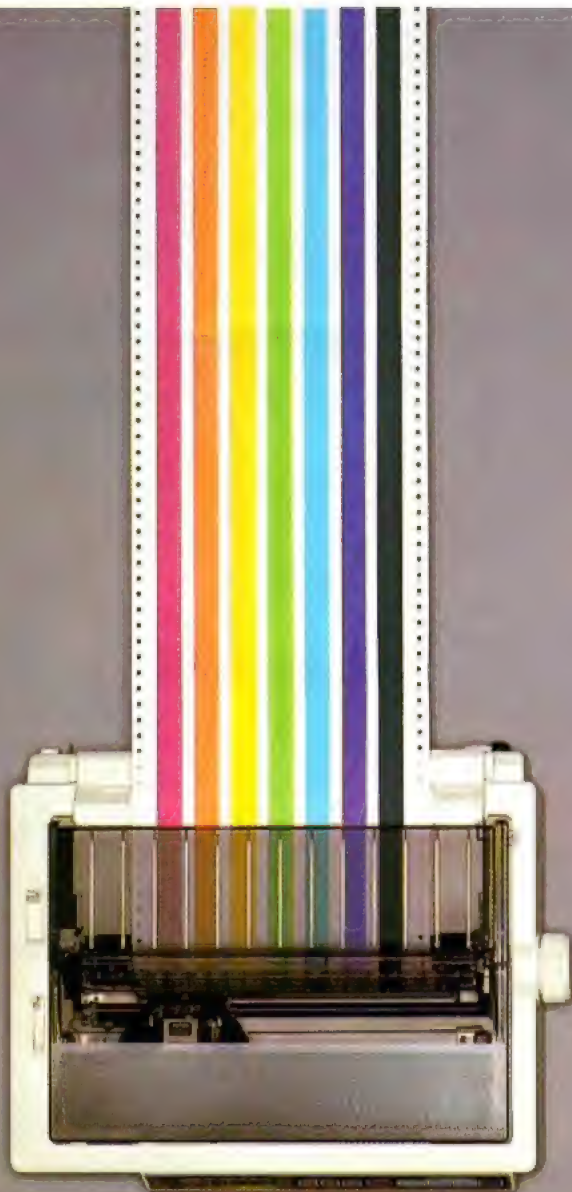
This logic probably means a great deal to those members of the Tau Beta Kappa fraternity house who think that *Porky's* is a documentary drama and that women are only good at two things (and some of them can't even cook). But to the rest of the world this is the kind of game that might be played after a few pints on a rainy night in prison.

Tim Smith

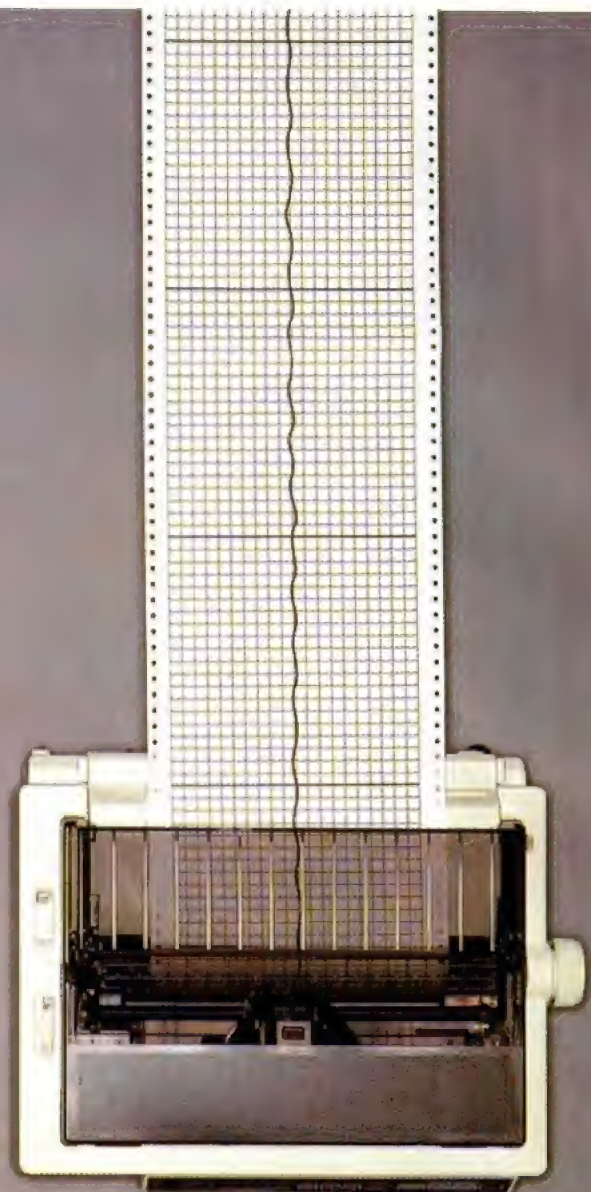
Leisure Suit Larry 5 Sierra ■ £26.99

- Some great backgrounds complemented with good characters.
- There are plenty of puzzles and twists to get your head round.
- Good control system.
- Pathetic, puerile sexist humour. Not very cred at all.
- Drab storyline.
- There is little real interaction.

Verdict 50%



Loud colour.



Quiet printer.

When you buy one of our new QuietPrinters, your life (or, at least, your printed matter) will immediately seem brighter. That's because you have seven vibrant colours at your disposal to give documents more life by helping to lift text, graphics and pictures off the page.

Furthermore, you'll be pleasantly surprised by the quiet efficiency with which it goes about its business.

Of course, with both printers, you get more than lots of colour with very little noise; you also get simply outstanding value

Quiet *Colour Printing*  for money. For example, our

The KX-P2123 Colour QuietPrinter.



- 7 colours including black • Noise level less than 47 dBA
- One Super LQ, six LQ and three draft fonts • Outline and shadow font facility • 240 cps draft, 80 cps LQ, 32 cps SLQ • 3 paper paths, push/pull tractors, paper parking, zero tear-off and optional sheet feeder • Epson LQ-800/IBM Proprinter™ X24E emulation • Standard 14K buffer, expandable to 46K

The KX-P2180 Colour QuietPrinter.



- 7 colours including black • Noise level less than 48 dBA
- Six NLQ and three draft fonts • 240 cps draft, 38 cps NLQ • 3 paper paths, push/pull tractors, paper parking, zero tear-off and optional sheet feeder • Epson LQ-850 and IBM Proprinter III™ • Standard 4K buffer, expandable to 36K

new 24-pin KX-P2123 QuietPrinter offers, in addition to colour, superb print quality through one Super LQ and six LQ fonts, plus a truly impressive range of other paper handling and printing features. And, in terms of value for money, its 9-pin stablemate, the KX-P2180, is equally attractive. To see what we mean, just take a glance at the specification summary (opposite).

So if you'd like to know more about how to get some colour into your life, while keeping the noise out (and without breaking the bank), contact us now on (0800) 444220, fax (0344) 853707.

Panasonic
Printers



All trademarks acknowledged. Note that colours seen in this photograph are simulated due to reproduction processes. Public sector customers may purchase at preferential terms from H.M.S.O. Contact 0603 695557.

VROOM

- 3D perspective of the racing track
- Arcade and competition levels
- Controls: mouse or joystick
- Possibility of practice laps and qualifying rounds
- Save option available for championship races
- Possibility of being connected to another computer



AVAILABLE
ON AMIGA
AND ATARI ST

Vroom offers you supreme arcade-action and assures you of a racing game of exceptional smoothness and speed!

Unique graphic environments and realistic sound effects are combined with incomparable control...

UBI SOFT U.K.
Saddlers House, 100 Reading road
Yateley, Camberley, SURREY GU17 7RX
Tel. (0252) 860.299

Lankhor

Pinball Dreams

Your Amiga may well be deaf, dumb and blind – but it can still play a mean pinball, as 21st Century Entertainment prove with *Pinball Dreams*. With eight-player action and four different tables for you to master (each with real character and secrets to discover), this game comes as close to matching the thrill of playing the real thing as you're ever likely to get without venturing down to the murky dinginess of your local arcade or your local.

If a pinball game's going to be a success on the home computer, then the graphics have got to be smooth, but most importantly the 'feel' of the ball has got to be spot-on. *Pinball Dreams* achieves this and more. 50 screens per second scrolling ensures smooth-as-silk movement and the ball bounces and rolls as realistically as anyone could have hoped.

Soho down to Brighton

Once these technical obstacles have been successfully negotiated, the world is your lobster. Without the limitations of gravity, size, expense and all number of other spoil-sport laws of physics dictating the design of your table, in theory computer pinball should be better than the real thing. Imagine teleports, gravity-switching buttons to aim for, balls splitting and then regrouping, moving targets on the table...

But for some reason, 21st Century have decided to settle for realism as opposed to *Silverball meets Star Wars* fantasy. Hence the four tables steadfastly remain within the realms of the physically possible. All four tables feature only two flippers, all four tables shunt the ball around with meticulous attention

to Newton's laws and all four tables offer nothing that can't be found in existing, real, actual pinball tables.

So if *Pinball Dreams* offers nothing that can't be found in any pub or arcade, why is it so ridiculously addictive? Because what 21st Century Software have done is recognise a brilliant game concept when they saw one. Pinball is such a classic game, it doesn't need tarring up in order for it to appeal. The four tables we have on offer here are enough to satisfy the appetite of any would-be Tommy.

Four starters

Table One is 'Ignition'. This is the easiest of the lot, following a *Forbidden Planet*, spaceship, lift-off sort of theme. As with all the other tables there are special bonuses and rewards to be played for. Luckily the instruction manual explains what exactly is asked of the player, detailing the correct sequence of targets that must be hit in order to access particular bonuses. This makes things a lot easier than in the pub, when a detailed (if casual) inspection of the locals' talents is the only way to working out what targets do what.

Table number two is 'Steel Wheel', based on an American rail-road. Table three is 'Beat Box', in which you must play for the benefit of a struggling pop band – earning record deals, tours, and foreign signings as well as the usual point bonuses and extra balls. Lastly comes the awesome 'Nightmare' table. The soundtrack sends shivers down the spine as your little silver-ball is catapulted, flicked and slapped about the table.

Pinball Dreams is great fun to play, looks great, sounds awesome and faithfully



Here's 'Nightmare' in all its ball-busting glory. You only ever see half of any one table at any one time, but the silky-scrolling ensures a smooth ride up and down – even when the pace heats up a bit (which it does. Often.)

reproduces all the thrills and spills of the real game – you can even tilt the table with a quick tap of the space-bar.

Of course £25.99 is a lot of money, but if a favourite pinball table still clings on to a niche within your gamesplaying heart (I'm still a sucker for a quick 'Go For The Hill' courtesy of Banzai Run), then *Pinball Dreams* will do nothing but bring a smile to your face.

Neil West ☺



Table number one is 'Ignition'. It's fairly straightforward really – more for the pinball Paul Daniels than the real wizards. But there are still plenty of thrills to be had, as you attempt to get your spaceship off the launch-pad. Once you've mastered this, your silver-ball bashing skills can be tested on tougher tables.



Table two – 'Steel Wheels'. Still, there are only two flippers which is a shame. Even the most bog-standard table down my local arcade has at least three, so why haven't 21st Century Entertainment bothered?

Pinball Dream Software ■ £25.99

- Super-smooth graphics and realistic 'feel' provide a sound base for...
- Four different tables, each with their own character and peculiarities.
- Four stonking soundtracks (turn that volume up) enhance the atmosphere.
- More might have been done with the tables: more flippers, multi-ball sequences or head-boards could have been included without forsaking realism.

84%

WIN!

The Most Explosive
Arcade Machine
you've ever seen!!

The prize is worth a cool
£4000!



The game features
actual footage
from the film!

It's been called
the most exciting
machine ever!

You could be
the lucky winner
if you call!



0891 101990 NOW!



WIN A SEGA
MEGADRIVE!

WIN!

PLUS A COMPLETE SET OF
ELECTRONIC ARTS GAMES!

WHEN YOU HAVE TO SHELL OUT AROUND £30 A GAME FOR YOUR
MEGADRIVE WHAT BETTER PRIZE TO WIN THAN 25 OF THE BEST
GAMES AROUND! PLUS WE'LL THROW IN A CONSOLE TOO!!



0891 101994 NOW!

It has been many years since the brave and courageous Prince Cirion conquered the foul and evil Medusa (chronicled in Starbyte's earlier game, *Rings of Medusa*). His blighted realm, the once green and pleasant land of Morenor, has recovered, once again returning to its former glory. Yet this peace was soon to be shattered, indeed, the very night before the Prince's coronation, strange noises were to be heard in the castle grounds.

Fearing the worst, Cirion set forth to discover the cause of these sounds, only to be knocked unconscious – and awoken in the dungeons of his own palace, far below the ground. To add to this problem, the bewildered young man was confronted by the dreaded Medusa, who declared her intent to travel to the future, where Cirion would be long dead, and there would be no-one to stop her from gaining absolute control over Morenor once



Ouch! A blue nasty unleashes its fireball in your direction. If you haven't got a gun and some ammo, there's no way of fighting back...

and for all. The following moments were a blur – in a desperate attempt to save his kingdom, Cirion broke free of his guards, and followed Medusa through the rapidly-closing portal – to the future...

13 – definitely unlucky!

Medusa draws her power from the Dohor crystal, a gem of immeasurable evil. She guards this herself, deep within her secret shelter, behind 13 locked doors. Viewed in first-person perspective (doesn't that sound incredibly familiar?), you take the role of Cirion – alone, confused, but with the knowledge that you will have to locate all 13 keys (in order to penetrate Medusa's lair), defeat her, and destroy the crystal.

The thing is these keys are hidden within 13 bunkers. And inside them lurk a large number of hostile nasties, all of whom are intent on your demise. This, in turn, presents yet another problem – you will need an army to aid you

This is just one part of a much larger map around which you can move your campaign army in search of the other rings.



Return of Medusa



At each city you can create or extend your campaign army by visiting the park (?). But there are not just human mercenaries for hire!

with your quest, which, in turn, will need paying for their services!

There's a slight problem with this, though – Cirion may have been a wealthy man in his own time, but that's just it – he's no longer in his own time, and he's definitely out of cash (and without his Gold American Express card, too). To earn some of the old readies, you can trade goods, attack enemy gangs, play roulette at the casino, play the stock market or even exploit natural resources. If things are really desperate, robbing a bank can be good for a last-ditch move, or if you're exceptionally lucky, you may even come across hidden treasure with which to bolster your failing funds!

A similar Fate?

Hmm, a tricky one, it's very, very much like reLine's *Fate – Gates of Dawn* (insofar as the whole atmosphere picks up a large wooden club, and smashes the words 'Dungeon Master clone' into the back of your skull), unlike *Fate*, *Return of Medusa* has a great deal more to offer. Unoriginal it is, but it's also rather

entertaining, and a great deal less confusing – none of this horrible party switching business (a nice idea, shame about the implementation!), and combat is a whole deal more entertaining – pitting armies against whole towns can get pretty messy, believe me!

Again, like *Fate* and so many that have gone before, this is another brave, yet ultimately fool-hardy game attempting to steal the crown from *Dungeon Master*. However, *Return of Medusa* is a very entertaining game in its own right, with effective graphics and sound, and a reasonably friendly user-interface. Its storyline slowly and inexorably draws you in until you have no choice but to keep playing just to get that little bit further every time you load up.

OK, originality definitely takes a back seat, but the whole thing is nicely done. An enjoyable and entertaining adventure, and well worth having a good, long look at.

Rob Swan



One way of raising some dosh is by visiting the city's casino, where a quick spin of the roulette wheel can make you very rich... or very poor.

Return Of Medusa Starbyte ■ £25.99

- Very atmospheric, with some impressive audio-visuals.
- Easy to get into, but needs perseverance.
- Not very original.
- This game will certainly have you burning the midnight oil.

Verdict **85%**

OVER 100 PD GAMES FOR: 14.99!!!! INCLUDES P&P

HOW TO ORDER:



BY PHONE **051-924 0200**
24 HOURS (CREDIT CARDS)

BY FAX **051-931 3857**
24 HOURS (CREDIT CARDS)

By Freepost
Cheques & P.O.'s to:
**UNBEATABLE PRICES
FREEPOST
LIVERPOOL
L23 0XH**

Please note: Goods are despatched within 7 days of ordering, credit cards are not debited until despatch. Allow 4 more working days for cheque and P.O. orders. Thank you.

BELIEVE IT OR NOT! THIS IS A GENUINE OFFER!!!! WE BELIEVE THE IDEA OF PD & SHAREWARE IS TO DISTRIBUTE AS MUCH AS POSSIBLE FOR THE LEAST AMOUNT. THIS PACKAGE OF DISKS CONTAINS EXACTLY WHAT IS SAID!

WITH THE DISKS YOU WILL RECEIVE FULL EASY TO FOLLOW INSTRUCTIONS ON HOW TO GET STARTED AND UTILITIES TO HELP YOU SAVE AS MUCH DISK SPACE AS POSSIBLE!!! TRY US, WE PROMISE YOU

WILL BE VERY SATISFIED WITH THIS PACKAGE, IT WILL GIVE YOU MONTHS OF FUN, IF NOT YEARS!!! OUR CUSTOMERS WILL BE KEPT UP TO DATE ON OTHER AMAZING OFFERS WE ARE PLANNING. THIS

WILL INCLUDE OTHER 100 PROGRAM OFFERS, SUCH AS OVER 100 UTILITIES, OVER 100 DEMOS..... REMEMBER, DURING TIMES WHEN MONEY IS SCARCE YOU MUST SPEND IT WISELY! ORDER NOW!!!!!!!!!!!!

AMIGA FORMAT

84

APRIL 1992

LEEDS AMIGA CENTRE

ESSENTIAL ITEMS

Naksha Hand Scanners	£115.00
1 Meg Without Clock	£25.95
1 Meg With Clock	£29.95
1.5 Meg With Clock	£85.00
1 Meg 500 Plus	£39.95
Supra RX Rams	Call
1500 8 Meg Boards (Pop 2) ..	£169.00
Genlocks (Rocgen)	£99.95
Microbotics Accelerators	£229.00
256 x 4 Chips (Each)	£4.49
1 Meg Simms (Each)	£39.00
4 Meg Simms	Call
1500 SCSI Controllers	£79.00
Quantum 52 Meg H/D	£199.95
Enhanced Chip Set	Call
CD-Rom	Call
PSU's	£49.95
Modulator	£29.95
Mice, Meece, Mouses	£19.95
ZY-FI Stereo Speakers	£39.95
Internal Drives	£54.95
External Drives	£59.95
Midi Interface	£19.95

INTERESTING ITEMS

Goldstar TV 14" with Scart
And Remote Control - Great Picture!
Inc Cable

ONLY £219.95

GVP products in stock
Call us for great deals on
A500 & A1500 Hard Drives &
Accelerator Boards
These really are the business!

Vortex AT Once Plus
This best selling PC Emulator has now
been improved! New features include
16MHz Clock Speed, VGA Mono
emulation and B2000/1500
compatibility.
£219.00

BOOKS

*We now stock a comprehensive
range, covering all aspects of
Amiga computing.
Call in for a browse!*

WANT MORE?

How about.....Philips, Citizen, Star,
Canon, Protar, Lynx, Miracle Teaching
System, Serious Software, Games,
PC Systems, Printer Supplies....

PLUS

Our local price match means you
won't have to sacrifice service to
save a few pounds!

MAIL ORDER

By Phone: Quoting your Access/Visa number
on: **0532 446520** Mon-Sat.

By Cheque - Make cheques, P/Os or
Building Society Drafts payable to: **Miditech**
(please allow for 7 days for cheque clearance)

Delivery: Please add £6.00 courier delivery.
For orders under £100 please add £2 p&p.

EST 1988



MIDITECH

54 The Merriion Centre (Balcony)

Leeds LS2 8NG

Tel: (0532) 446520

Open:
Mon-Fri
9.30-6.00
Sat
9.00-5.30

If you're a fan of Toon Town's most triumphant resident, the inimitable Roger Rabbit, you now have a new chance to take control of your hero – but beware – this six-disk cartoon adventure has serious strings attached. Firstly, you must have a hard disk (with six megabytes free) attached to your Amiga – the game will not run from floppies, due to the quantity of samples and animations which need to be accessed at runtime.

Secondly, you need at least a megabyte of internal memory just to get past the loading sequence – and even then the spectacular special effects are loaded during the corresponding animations, causing the screen to

Hare Raising Havoc



Roger Rabbit, the renowned cartoon shortstuff and Hoskins-irritant, is not the ideal choice for the job of looking after Baby Herman. He can't even be trusted not to try putting his hand up Mommy's skirt, it seems.



At worst, most people take a book (or perhaps even *Amiga Format*) into the bathroom. Not Roger. No, he's not happy unless he's got a fan, an electric heater, and a sink plunger to play with. Kinda makes you wonder what he's up to in there – and why he takes so long.

freeze momentarily each time something happens. You can run the game in silent mode (though why you'd want to is anybody's guess), but a 2Mb Amiga is the 'approved' way of making the animations run smoothly.

So, assuming you've fulfilled all these criteria, what do you get for your money? A six scene adventure, each with roughly 10 'Space Ace' style interactive bits, some excellent cartoon-noises and the jerkiest screen scroll ever. All this and a countdown timer too! Play the game once, and you'll never want to play it again. Disney might make classic cartoons – but they sure as hell make duff computer games. Next!

Hare Raising Havoc
Infogrames ■ £25.99

- Forget it, unless you've got a hard disk, six megs of space and an internal meg of RAM.
- Jerky animations fight with poorly synced samples for the processor's attention.
- Pppplease! It may be fun, but it's agony too.

(Verdict) 25%



WolfChild

Core Design ■ £25.99

On first playing, *WolfChild* bears a striking resemblance to the classic *Switchblade* – and that's not surprising when you consider that they were both designed by Core Design's Simon Phipps. Although *WolfChild* uses many similar tricks and design ideas, it's by no means old ground re-covered.

Your quest is to wreak some revenge upon Draxx, who kidnapped your father and murdered the rest of your family. You do have one rather handy ability at your disposal – you can turn yourself into a wolf and hurl claws at Draxx's henchmen. To do this, you must first find the power-ups that are strewn around the five beautifully drawn levels.

While *WolfChild* doesn't win any prizes for originality or spectacular gameplay, it's still worth a shot. The intro sequence alone is worth a couple of close watches, and the in-game music, reminiscent of a Jean-Michel Jarre track, is pleasantly up-beat. Because *WolfChild*'s difficulty changes depending on your level of success, you'll complete the game quickly, but it's still good fun on the second and third attempts.

Why not visit the Arboretum Mortalis, home of Draxx's most vicious wildlife? It'll make your hair stand on end.

(Verdict) 76%



Starbyte Super Soccer

Starbyte ■ £25.99

The graphical splendour that is *Starbyte Super Soccer*. Sim-heads only need apply.

When it comes to simulating football, there are two routes to take: the fast action kick-in-the-groin way of games like *Kick Off 2*, or the slow, management-head way. *SSS* belongs to this latter class.

As a football team manager, it's your lot to wade through the screens of decisions to make your team the best. Because it's German most of the teams you can manage have unpronounceable names, but there are a few familiar names in there. The game's strictly for those who like to see screens of figures and text, because that's all you get. There are a few dismal graphics in the match replay screens (which can be skipped) but that's all. Screen updates are slow, and with a rash of other sims about to be released (like US Gold's *The Manager* and Domark's *Championship Manager*, both of which look much more friendly than this), this looks like it'll have a hard time making a mark.

(Verdict) 63%



Big Run

Storm ■ £25.99

More whizzing about, but this time across country in the Paris-Dakar rally, *Big Run* gives you six increasingly difficult races (well, they're not going to get easier, are they?) from Paris to Dakar, taking in the lovely vistas of the Saharan desert en route.

As racing games go (and they do), this Jaleco coin-up conversion isn't anything special. You've only got two gears to worry about (low and high) – that, and about 20 other homicidal, and better than you, drivers. The graphics unfortunately become extremely pixelly when you get too close to them and your car suffers from the three-frame syndrome (facing forward, left and right). The sound effects are mangy to say the least, but there's a nice bit of hefty music before each stage.

With only six stages to work your way through you'd expect a bit of a challenge. Actually each stage is relatively easy and you'll probably complete the entire game within a day, leaving you with a pretty box and very little else.

Verdict **58%**



Great Napoleonic Battles

Impressions ■ £29.99

This release boasts a new hex-based war-game system, instead of the infuriating mouse control system. Hex-based war-gaming is essentially like chess. The battleground is the board, and instead of chess pieces, there are about 30 infantry, cavalry and artillery units under your control.

The control system is simple, but cumbersome: an inordinate number of key presses are needed to get a piece from one place to another. Each unit is controlled individually and with an entire army to move, the game quickly becomes tedious.

The sound effects are abysmal and the graphics are appalling and only three quarters of the screen is used.

The only saving grace is the range of options to customise the military units and to prepare custom-built battlegrounds. Buy one of Mirror Image's budget titles like *Waterloo* and *Austerlitz* instead.

Verdict **40%**



PGA Tour Golf Tournament Course Disk

The PGA Tour Golf Tournament Course Disk – the title says it all really, doesn't it?

Electronic Arts ■ £14.99

Always a good idea, this; to release extra courses for a successful game like *PGA Tour*. For £15 you get three extra, larger-than-usual lawns: Eagle Trace, Scottsdale and Southwind, designed from original TPC (Tournament Players Clubs) blueprints.

The courses are designed to give experienced PGA players more of a challenge, but in reality they're a tad simple. The first hole of Scottsdale is supposed to be a real toughie, but you can sink it on par first time around. Likewise, a lot of the holes offer no more of a problem than the easiest ones on, say, *MicroProse Golf*. And six courses rather than a measly three would seem more of a bargain.

But to be going on with, this will do nicely, at least until we see the release of *PGA 2*.

Verdict **72%**



Wayne Gretzky Hockey 2

Bethesda Softworks ■ £25.99

Fighting strictly not allowed, honestly. This is a good clean game – oh, and there goes another arm!

Ah yes, the inevitable sequel. But what can you add to a game like ice-hockey if you've done it once? Very little, actually.

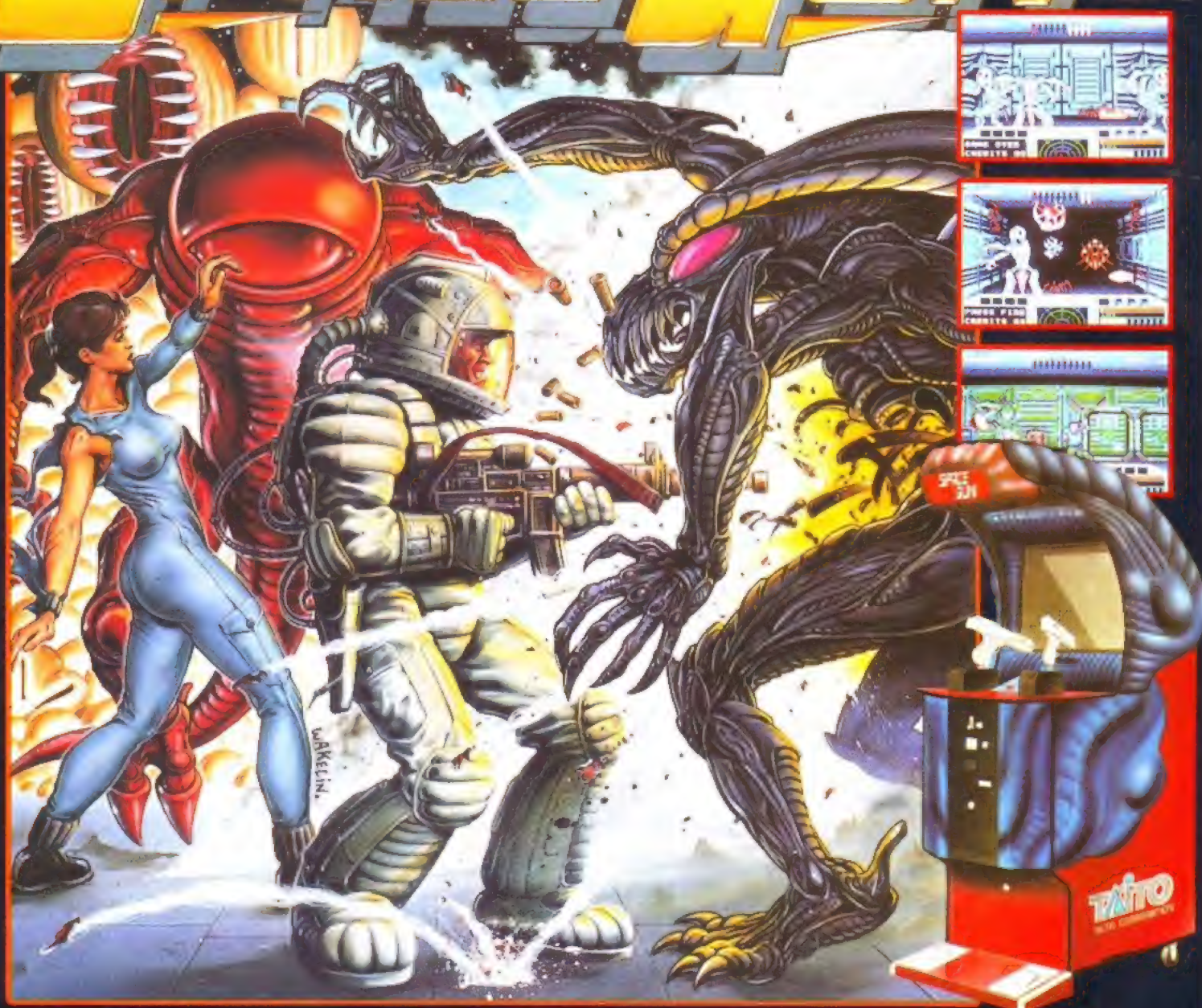
In *Gretzky 2*, you get the choice of which team to manage (USA or Canada), difficulty level, tactics and so on, before getting onto the match proper. You don't have to control a player yourself if you don't want to, but if you do you'll have to get used to the odd but ultimately useful control system. Instead of moving a character directly you move a cursor and the player attempts to move to it on the rink, his speed being determined by the distance of the cursor from him. It's difficult to see your player because it's only indicated by the colour of his helmet, but after a few games you get used to the system.

The graphics aren't spectacular and neither is the sound but it is a solid little game with quite a lot of hidden gameplay.

Verdict **78%**

SPACEGUN

TAITO



YOU HAVE BEEN ORDERED TO RESCUE THE HOSTAGES IMMEDIATELY!!

The year is 2039 A.D. Man takes deep space exploration to a new level of sophistication. However, at a distant space colony, a sudden escalation of unexplained disappearances and deaths cause the Federal Government of the Earth to launch a thorough investigation. Their best team of commandos are consigned to the far reaches of the galaxy. Enroute, they intercept a distress signal emitting from an Earth-bound cargo ship. The crew has been taken hostage by an unknown life form and are in great danger if not rescued immediately. The alien forms must be destroyed before they reach their final conquest... The Earth!!

ATARI ST / CBM AMIGA
SPECTRUM / COMMODORE
AMSTRAD CARTRIDGE

ocean

ATARI ST / CBM AMIGA
SPECTRUM / COMMODORE
AMSTRAD CARTRIDGE



A500 + Expansion Stand Only £34.99 including VAT & delivery

- ★ Trade enquiries Mrs Leigh L Sharif
- ★ Delivery 5 days
- ★ Colour coded to your Amiga
- ★ Fitted in seconds
- ★ Shelf for disk drives

LEADS £7.99 PER PAIR

CREDIT CARD HOTLINE

0908 262137



ORDER FORM

Name

Address

Postcode

Tel. No.

Cheques payable to:
AVA Developments Ltd
58 Burners Lane South
Kiln Farm
Milton Keynes
MK11 3HD
(0908) 262137

AF4/92



AMIGA FORMAT

88

APRIL 1992



BULK DISKS DISKBOXES

	3.5 DS/DD	Capacity	Size	
25	10.99	40	3.5	3.99
50	20.50	80	3.5	4.99
100	36.99	120	3.5	6.49
250	84.99			
500	164.99			
1000	317.99			



* OUR DISKS ARE FULLY GUARANTEED AND ARE COMPLETE WITH LABELS.

>>> SPECIAL <<<
120 Capacity Box & 100
3.5 DS/DD Disks £42.49

PAPER - TOP QUALITY

Fanfold with Micro Perls.	1000	2000
11x9.5 60gsm	7.99	13.99
11.66x9.25(A4) 70gsm	10.49	18.49
11.66x9.25(A4) 80gsm	11.99	20.49
11.66x9.25(A4) 90gsm	13.99	23.99



**SNAP
COMPUTER
SUPPLIES LTD**



HOTLINE

0703 457111

Fax: 0703 457222

RIBBONS - POST FREE

Top Quality compatible brands

	2 off	4 off
Citizen 120D/LSP10/124D Swift 24	2.50	2.30
Citizen Swift 24 Colour	15.00 ea	
Epson FX/MX/RX80/FX800/LX800	3.20	3.00
Epson LX80/86	2.00	1.80
Mannesman Tally	3.50	3.20
Panasonic KXP 108Q/81/82/1123	2.90	2.70
Panasonic KXP 1124/1140 2.60	2.60	2.40
Star LC10 Mono	2.80	2.60
Star LC10-4 Colour	5.90	5.70
Star LC24-10	2.80	2.60
Star LC24-10 Colour	12.50 ea	
Star LC200	3.20	3.00
Star LC200 Colour	11.50 ea	
Star LC24-200	2.80	2.60
Star LC24-200 Colour	12.50 ea	

ACCESSORIES - POST FREE

Amiga External Drive	54.99
Amiga 512k Upgrade, Clock	23.99
Amiga 512k Upgrade, No Clock	21.99
Mouse Mat	2.99
Mouse Holder	2.99
2 Piece Universal Printer Stand	6.99
3.5 Disk Clean Kit	2.99
Roll 1000 3.5 Disk Labels	8.99

SNAP COMPUTER SUPPLIES Ltd.
Unit 16, The Sidings, Hound Rd, Netley Abbey, Southampton. SO3 5QA

All products are subject to availability - All prices include VAT.
Please add £2.99 P & P for disks & boxes, £3.99 for paper. E.&O.E.



Mad Dog Williams

Two very nasty men are advancing on our hero. Maybe that chandelier can help.

Gamecrafters ■ £30.99

Leap into the jaws of death, beat up the bad guys, grab the girl and leg it. That's the basic idea here. It's on five disks and has clearly been aimed at admirers of the recent role-playing hit *Monkey Island*. No throwing of insults to resolve combat in this game though. Oh no, this is real swashbuckling stuff where you get to slice your enemies into little pieces with your sword in true, Jim Hawkins' style.

Control is a combination of text input and joystick which, while being fine for combat situations, becomes a chore during conversation with other characters. The graphics are good but they lack *Monkey Island*'s character. On the plus side there is a huge area to explore within the game, and there are some brilliant animations when something happens to Mad Dog. The storyline is well written, containing all the quirky humour that you have come to expect from games of this format.

Verdict 72%



Crime City

What do you mean, no? I guess it's true, huh? Reviewers and women don't mix.

IF ■ £29.99 A500 Plus incompatible!

Ever wondered what it must be like to don your Trilby and trenchcoat as a private dick? No? Well IF give you the chance in their latest offering; a role-play/detective style adventure where you must clear your father's name of murder.

It's a task that requires you to interrogate suspects and gather information from sources such as the scene of the crime and the local coppers' nark, who somehow manages to gather juicy secrets without ever leaving the pub.

Like the other characters you meet, he's pretty two dimensional, but your encounters with the city minions are only one part of a very involving game. From your office you are able to gamble on the stock market, read your mail, put tabs on people, hack into suspects' computers or even dial a pizza. This makes a variety of actions possible, but progression within the story is limited due to the nature of your options which resemble the layout of an adventure book, where only one route enables you to complete it.

Until you've solved the crime, *Crime City* is fascinating, but much like any whodunnit the thrill is gone once you know whodunnit.

Verdict 70%



Borobudur

Ostrich man blows away more of the bad guys with his update-slowing gun. But we've seen it all before...

Thalamus ■ £25.99

When Thalamus first arrived on the scene, producing games for the C64, they stretched the capabilities of the machine further than most had done before. But this is not a good example of their attention to detail. Its playability lacks the smoothness that made platform games such as *Turrican* so successful. The main sprite has the appearance of an ostrich when he runs, and the huge gun is very unresponsive to presses from the fire-button and couldn't defend your character from a rabbit, let alone the hordes of carnivores that he is frequently pitted against.

The levels progress from lifeless areas of terrain to seething masses of creatures that not only slow down the already questionable update speed, but also rip your character to pieces and take you right back to the beginning of the level: (AAAAARGH!). All this occurs while a terrible piece of music plays in the background to either keep you awake or provoke you into kicking in your TV.

Verdict 35%



Harlequin

Aaaargh! Two Mr Punch-heads swoop in for the kill. Time to start lobbing hearts.

Gremlin ■ £25.99

These days, finding an organ donor is harder than ever, so much so it seems, that people are willing to do anything to get one. And in *Harlequin* you have to battle through 23 levels of surrealist platform mayhem in the search of a vital organ. This is the latest release from a new division of Gremlin called, The Warp Factory.

You take control of a smoothly animated chappy, who is dressed in the most outrageous suit ever to grace the Amiga, and struts across the landscape spewing small heart-shaped bullets at anyone who gets in his way. Strange you may think? Well perhaps not as strange as some of the things he meets on his quest: such as Mr Punch-headed large-footed creatures, and intelligent stormclouds that track your passage across the higher stages of the game.

The graphics are attractive, with some nice touches, like a trail of stars that are left in the main sprite's wake. The sound effects and music are good, and there is a wide variety of puzzles to be solved before each level is completed, so you'll keep coming back for more.

Not quite up to the standard of *Robocod*, but great fun nonetheless.

Verdict 78%

WIN • WIN • WIN • WIN • WIN • WIN



WIN

**TERMINATOR 2
JUDGEMENT DAY**

**ARCADE
GAME!**

**IT'S WORTH
A COOL
£4,000!
IT'S THE
HOTTEST
GUN GAME
EVER!
AND IT
COULD BE YOURS!**

CALL:0839-993329

**WIN ALL
THIS**



**YUP! IT
COULD ALL
BE
YOURS!**

CALL:0839-993328



**CHECK THIS OUT!
WIN THE ULTIMATE
WRESTLING GAME!
WRESTLEFEST**

FEATURING: HULK HOGAN • BIG BOSS
MAN • JAKE THE SNAKE • ULTIMATE
WARRIOR • MILLION DOLLAR MAN •
MR PERFECT • AND LOTS LOTS MORE!

CALL:0839-993327



SPEAK TO

**BILLY
BUTT**

**HE'S A RIGHT
HARD NUT**

**0839-
654302**

JOKES

YOU AIN'T HEARD NOTHING YET!

**LISTEN TO OUR JOKES OR
WHY NOT TELL US YOURS!**

**0839-
654301**

**GO
ON - GIVE
US A
CALL!**

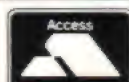
NICKY HUNT
THE LYING PERSON **HONESTLY**

SPEAK TO

0839-654327



Calls cost 36p (cheap rate) and 48p (at all other times) per minute inc. VAT. MEGAFONE, Sandylands House, Morecambe, LA3 1DG.
IF YOU DON'T PAY THE BILL PLEASE ASK PERMISSION BEFORE YOU CALL.



0530 411485

ASHCOM

DESIGN & DEVELOPMENTS LIMITED



0530 411485

THE ESSENTIAL
PACKAGE FOR
ALL YOUR
BACK-UP NEEDS

PRESENTS
**MAC
II
BACK-UP**

END OF ALL
BACK-UP
PROBLEMS

NOW INCLUDES
MAC II UTILITIES DISC
BACK UP OPTIMISER,
SPEED AND ALIGNMENT
CHECKER

FOR ONLY
£39.95

INC. VAT & P/P

THE MOST POWERFUL SOFTWARE BACKUP SYSTEM EVER PRODUCED FOR THE A500/A500 PLUS
THERE IS NO SOFTWARE YET PRODUCED THAT CANNOT BE BACKED UP USING THE MAC II SYSTEM

FEATURES:

- The most comprehensive back-up utility ever!
- Menu driven options which make it easy to use
- backs up other formats: IBM, Atari etc.
- Quick and easy to install (second drive required)
- Also available for A1500/A2000

ORDER MACII BACK-UP NOW AND YOU WILL NEVER HAVE TO PURCHASE ANOTHER BACK-UP UTILITY AGAIN

1988 COPYRIGHT ACT. ASHCOM neither condones or authorises the use of this package for the reproduction of copyrighted material. The facilities offered by MAC II are designed to reproduce users own software, PD software & other such programs where permission has been clearly given. It is illegal to make copies of copyrighted material without the permission of the copyright holder or the licensee thereof.

THE ULTIMATE AMIGA RAM EXPANSION

AX502 2MEG £169.00 INC VAT

AX504 4MEG £235.00 INC VAT

AX508 8MEG £369.00 INC VAT

NEW

OUTSTANDING FEATURES: • External Fitting (just plug's in!!) • Auto-configuration for 2MB, 4MB or 8MB • Bus through port, fully compatible with external hard drives, SCSI etc. • Ultra low power no external PSU required • Fully buffered data & address bus • Latest technology high density dram • zero wait states - Guru free!! • Slimline attractive case • Allows creation of very large & fast RAM Disc's • Ram Test software • Will not invalidate warranty

A501 PLUS RAM EXPANSION

Developed specifically for the A500 *plus* take your Amiga up to 2MB of chip RAM using latest DRAM technology. Simply fits in trapdoor.
WILL NOT INVALIDATE YOUR WARRANTY. £44.95

NEW**AMIGA A500 Plus**

Cartoon Classics Pack **£374.95**

TAKE YOUR A500 PLUS UP TO 2MB £39.95**ASHCOM KICKSTART ROM 1.3/2.04 SHARER**

SWITCHABLE BETWEEN 1.3 & 2.4 ROM.
GET ALL THE BENEFITS OF THE A500 PLUS WITHOUT SOFTWARE INCOMPATIBILITY!!
WILL WORK WITH OLDER 1.3 COMPUTERS INCLUDING A1500/A2000 - **ONLY £19.95**
KICKSTART ROM 1.3 £34.95
KICKSTART ROM 2.04 CALL

BEELINE

HIGH QUALITY STEREO SOUND SAMPLER
WORKS WITH ALL SOFTWARE
SOFTWARE INCLUDED
ONLY £29.95

ROCTEC

SLIMLINE DISC DRIVE
ONLY £59.95

ASHCOM MEGA UTILS DISC £ 2.95
1 MEG* 9 SIMMS £33.00
256K* 1 DRAM £1.00
256K* 4 DRAM £ 4.50
SQUIK MOUSE £14.95

AUTOMATIC MOUSE/JOYSTICK SWITCHER

ONLY £14.95
+ SQUIK MOUSE £24.95

NEW LOW PRICE 512K RAM EXPANSION

WITH CLOCK ONLY **£21.95** WITHOUT CLOCK **ONLY £19.95**

2 YEAR WARRANTY ON ALL PRODUCTS. ALL PRICES INCLUDE VAT & P/P. ORDERS NORMALLY DESPATCHED IN 24 HRS. REGISTERED COMMODORE DEVELOPER.
FOR FURTHER INFORMATION ON ANY PRODUCT PLEASE TELEPHONE OR SEND A S.A.E. TO THE FOLLOWING ADDRESS. TRADE ENQUIRIES WELCOME.

Only from ASHCOM, DEPT AF5, 10 The Green, Ashby-De-La-Zouch, Leicestershire LE6 5JU

MON-FRI 9.00-5.30

Telephone: (0530) 411485 (24 hrs) Fax: (0530) 414433

SAT 9.30-4.00



Cheap 'n' Cheerful

If you've run out of £25 notes, and the next batch are drying in the airing cupboard, panic and fret not. **James Leach** rides into town with a selection of cheap software slung over the back of his saddle, just next to the family-sized tube of pile ointment...



Underwater, no one can hear you scream. But they can see the bubbles, so keep a stiff British upper-lip as you float through the nastiest levels this side of the Sargasso Sea.

James Pond

Millennium ■ £7.99

Right. There are to be no fish-related puns in this review. *James Pond* is an aquatic, underwater spoof of the classic secret agent created by Ian Herring (Fleming -damn) and deserves better.

12 missions await our Piscean friend, all viewed from that trusty sideways-scrolling position. Each level sees James facing a different task, and they all have a unique flavour (not Tartare).

As he swims around, James can pick up all manner of goodies which may help or hinder him (imbibing the numerous bottles of Jack Daniels which litter the sea bed is particularly, er, interesting), and there are dozens of locations to explore, many of which aren't essential to the plot. Luckily he has a generous time limit for each, so this exploration isn't at the expense of fin-ishing the sub-game (oh no! Two in one sentence!)

The graphics are very neat, with cartoon-like characters and backgrounds. Definitely one of the game's strongest points. Everything runs (or rather swims) smoothly and moving James around is fun once you've got the hang of it. Very stylish indeed, and there's even a decent tune.

Playability is high on the scale (whoops) and the further you get, the more rewarding it all becomes. In true arcade tradition, the in-depth (sigh) gamer will be both amused and entranced by the secret rooms, tunnels and plaices you can visit whilst carrying out your tasks.

Overall, *James Pond* is cute, playable and maddeningly addictive. It's tough, though, and it's big enough to have you glued to your screen in a most unpleasant manner. If it wasn't set underwater, it'd also have bags of atmosphere. The different missions (all containing weak fish-related puns on the titles of erstwhile respectable Fleming stories), are each distinctive enough to make the game seem large and challenging (which, indeed, it is).

Moving the gill-equipped secret agent is definitely an acquired skill. He bobs, wiggles and jumps out of the water in the most engaging manner. But it's possible to get seriously good at the game, and you can spend ages exploring areas which aren't strictly related to the mission. These hidden screens add a lot to the gameplay, and keep you trying all possible routes out of the current (oops) screen.

It doesn't seem like long ago that *James Pond* was being reviewed as full-price software. It hasn't dated much, although several other cartoony arcade-style products have appeared in its er, wake. If you don't already own it, visit your local shop and buy it at this price (making 'shore' to steer clear of fish-related humour.)



If you're one of those people who continually gets turned into a masked zombie mutant every time you cross the path of a witch-doctor, it's time for new 'curse-gone' cream. Guaranteed to remove all known hexes (except the one you're standing on).

Voodoo Nightmare

Palace ■ £7.99

Boots Barker is out of luck. He's fallen foul of a witch-doctor who has cursed him; he now has an immovable, stupid mask attached to his head. Worse still, he's been stranded in the middle of an unpleasant jungle in the Congo. Things, as they say, have been better.

You control Boots through an isometric view which, although not brilliant, works OK. The idea is explore, find jewels and voodoo dolls and ultimately escape.

There are eight mini-adventures, all with eerie tunes, neat graphics and taxing puzzles. What lets it down is the super-sensitive controls. This alone makes the game less addictive and rather annoying.

If you're prepared to put up with this though, you'll have a big, nice-looking and atmospheric game to contend with. And your mind will be exercised almost as much as your joystick fingers.



The open road beckons seductively, as does a spell in Intensive Care, if you decide to climb onto your Combo. But rest assured - the pain of crashing will be nothing compared to the agony of losing first place (and killing your co-rider).

Combo Racer

GBH ■ £7.99

This was really the predecessor to *Lotus Esprit Turbo Challenge*. Fair enough, but *Turbo Challenge* does everything *Combo* does so much better.

You race around a series of 3D-viewed circuits, looking at the back of your little motorbike and side-car affair (the eponymous combo). Revs, gears and speed are given at the bottom of the screen, and the circuit is displayed at the top.

It's pretty fast, the graphics are certainly watchable and the sounds mimic those of a motorbike to some extent. The trouble is, *Combo Racer* lacks the excitement of a classic racing game. It's just not playable enough.

Lotus Turbo Challenge is now available at a cheaper price. If you want a 3D racing game with simultaneous two-player option, ignore this and go for that. You won't regret it.





Life in the insect world was complicated enough before Man appeared and started using unnatural chemicals and weird drug cocktails on his crops. So the blame for this new breed of cyber-insect can be laid squarely at his feet.

Venus The Flytrap

GBH ■ £7.99

It's the attack of the giant cyber-insects! You take on the role of a special metallic fly in a world of mutated bugs, nasties and ladybirds in this quick, exciting and competent shoot-em-up.

You view your world from a sideways angle, and the idea is to travel around, blasting at everything you see. Extra weapons, score bonuses and other goodies are littered around the horizontally-scrolling levels, and there are some wicked time limits imposed as well.

The scrolling and animation is seriously smooth, and there is an abundance of bright colours and perky sound effects throughout. Being a fly, you must also master the technique of fighting upside down. It's a nice touch and forces you to look at your screen from a different viewpoint (as it were).

Cunning pitfalls are planted in many of the screens, and if you collect these willy-nilly you'll end up with all sorts of weird effects to combat, as well as swarms of mutants. Hectic is the word.

The various elements of the game have been mixed in just the right proportions here. It's fast, it's fun, it's addictive and playable. It also hasn't dated too badly, so if you're into a green (in the environmentally-friendly sense) game with some excellent blasting and sacks of playability, then snap up *Venus The Fly Trap*.

Verdict 82%



I feel Dizzy, my egg is spinning... Yes, if you're hard-boiled enough not to get the yolk, it might be because *Kwik Snax* is aimed at younger players. Better to poach an old copy of *Scramble* (or something).

Kwik Snax

CodeMasters ■ £7.99

That Curate's Egg, Dizzy has had all of his relatives kidnapped. Before their heads are viciously cracked open with spoons, you've got to save them all by moving from relative to relative, guiding them around an updated *Pac-Man*-like series of screens. What a plot eh?

It certainly feels like it's aimed at the younger player, this game. Bright primary colours and ear-filling, zappy noises abound, and you move the large, cartoony sprite around each location avoiding ghosts and scoffing point bonuses. *Kwik Snax* is pretty big, so you have a lot to do, but it's ultimately rather repetitive and your attention will wander. It's smooth enough, though, and gets harder as you progress, making it fairly playable for a while.

The different scenarios you can play do add a feeling of getting quite a lot for your money. But each level does seem to be a similar proposition to all the others. The backgrounds and sprites are changed, but the basic gameplay remains the same. It's still a sort of up-dated *Pac-Man*.

If you're looking for an arcade game, and you're not under the age of 12 (and completely fixated by talking eggs and bright flashing colours), it's better to go for an altogether more interesting and stylish re-release. One like *Venus The Flytrap*, for example.

Verdict 55%



It is to be fervently hoped that the occupants of the track-side houses have either moved or have retired to their cellars. You're bound to crash into at least one per race, and usually at quite respectable speeds.

Toyota Celica GT Rally

GBH ■ £7.99

On their way to becoming kings of the racing game, Gremlin produced this. It gives you a four-wheel drive rally car and a whole load of stages to race through.

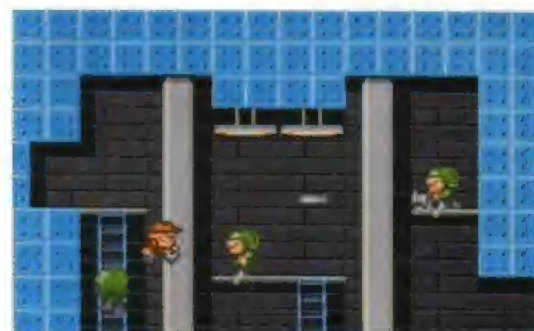
You have a 3D behind-the-wheel view, including hands, gauges and everything. The simple idea is to stay on the track while going as quickly as possible.

You race the clock, not other drivers directly, and crashes earn you point penalties so care is needed. Nonetheless *Celica* is very exciting, and the implementation of a sliding, bucking rally car is very well done.

Churches, houses and other inconsequential objects rush by the windows, all done with smoothness and speed, and the sound is excellent. This is one computer game that actually sounds like a car.

The only problem is that you can't race other cars directly, and that rallying is a difficult skill to master (seeing as you don't have any feeling for which direction the car is actually travelling in. Persevere, learn the ancient art of driving rapidly on muddy surfaces and in appalling conditions and you'll be rewarded, but if you're after a quick speed-hit, you'll end up in a ditch in record time.

Verdict 73%



Rick Dangerous doesn't wear a battered hat, he doesn't carry a whip and he doesn't even have a dad (or indeed any parents). But he can still run, crawl and jump with the best of them.

Rick Dangerous

Kixx ■ £7.99

Indiana Jones by any other name. Rick's back. And this time he's brought his special lower-pricepoint sticker.

This is an unashamed platformer. You play a fearless little character who rushes around the place avoiding traps, shooting baddies and climbing up and down things. Simple concept, exciting game.

Graphics and sound are certainly looking a bit old now, but they still perform their function, and don't detract from the game any. What Rick D still relies on is a mixture of playability and frustration. And even after all these decades, it's still a lot of fun. You rush around, flying past the traps you've sussed out and puzzling over those you don't yet understand. It's maddening and addictive.

It's also pretty large. You make your way through a massive temple, defusing every cunning snare as you go. Joystick speed, sleight of hand and sheer reactions all have their place, and if you do die, there are numerous restart points, so you don't have to start right from the beginning.

It's an old game, but that doesn't mean that it's not still fun. Indeed it is. The genre was started off by *Manic Miner* (or somesuch ancient crumbly), but *Rick Dangerous* is still a decent platform game and no mistake. It's huge, it's packed with puzzles and it's cheap.

Verdict 75%

SPECIAL OFFERS

TITLE	PRICE	TITLE	PRICE
A.P.B.	£4.99	Hard Drivin'	£4.99
Archipelagos	£4.99	Heart of the Dragon	£7.99
Atomic Robokid	£5.99	International Ice Hockey	£7.99
Back to the Future 2	£6.99	Interphase	£5.99
Back to the Future 3	£6.99	Jockey Wilsons Darts	£2.99
Corporation	£5.99	Kick Off & Extra Time	£5.99
Carve Up	£6.99	Kick Off II	£9.99
Crickit 1Mb	£9.99	Killing Cloud	£7.99
Conflict Europe	£5.99	Kristal	£7.99
Captain Fizz	£5.99	Line of Fire	£4.99
D. Double Horse Racing	£5.99	Master Blazer	£7.99
Days of Thunder	£5.99	Mind Fighter	£5.99
Death Trap	£3.99	Pacland	£4.99
Dragon Breed	£6.99	Pacmania	£4.99
Dragon Spirit	£4.99	Predator II	£7.99
Escape Planet		Shinobi	£5.99
Robot Monsters	£4.99	Strix	£5.99
Emlyn Hughes Quiz	£5.99	Stack Up	£2.99
Edd the Duck	£4.99	Stun Runner	£2.99
Fast Break	£5.99	Steve Davis	£5.99
Flip It & Magnose	£5.99	Thunderstrike	£5.99
Gravity	£5.99	Time Machine	£7.99
Globetrotter	£3.99	Toobin	£4.99



8a ACORN BUSINESS CENTRE
CUBLINGTON ROAD
LEIGHTON BUZZARD
BEDFORDSHIRE LU7 0LB

ORDER HOTLINE: (0296) 688222
GENERAL ENQUIRIES: (0296) 682248
FAX: (0296) 682290

SPECIAL OFFERS

TITLE	PRICE	TITLE	PRICE
Tank Attack	£5.99	Carrier Command	£9.99
Waterloo	£5.99	Terry's Big Adventures	£5.99
World Soccer	£2.99	Crossbow	£5.99
Winning 5	£9.99	The Munsters	£5.99
Frenetic	£9.99	Fallen Angel	£5.99
Warzone	£9.99	Chariots of Wrath	£5.99
Chuck Rock	£9.99	Wrangler	£5.99
Pegasus	£9.99	Insects in Space	£5.99
Airball	£3.99	Web of Terror	£5.99
Electronic Pool	£3.99	Zarathustra	£5.99
Goldrunner	£3.99	Galaxy Force	£5.99
Soccer	£3.99	Warp	£5.99
Jupiter Probe	£3.99	Veteran	£5.99
Tanglewood	£3.99	Renaissance	£5.99
Keep the Thief	£5.99	Steigal	£5.99
Ultima V	£9.99	Speedball II	£9.99
Ski or Die	£5.99	Dungeon Master	£9.99
Betrayal	£5.99	Wings 1Mb	£9.99
Running Man	£5.99	Wolf Pack	£9.99
Chambers of Shaolin	£5.99	TV Sports Basketball	£9.99
Heiter Skelter	£5.99	TV Sports Football	£9.99
Chrono Quest II	£7.99		

AMIGA TOP 100

TITLE	MEMBERS PRICE	RRP	TITLE	MEMBERS PRICE	RRP	TITLE	MEMBERS PRICE	RRP
4D Boxing	£16.99	£25.99	G-Loc	£16.99	£25.99	Police Quest III	£25.99	£39.99
4D Driving	£16.99	£25.99	Godfather	£19.99	£30.99	Populous II	£19.99	£30.99
4 Wheel Drive	£18.99	£29.99	Heart of China	£22.99	£34.99	Powermonger Data Disk	£11.99	£19.99
A320 Airbus	£22.99	£35.99	Heimdall	£20.99	£34.99	Quest & Glory	£19.99	£30.99
Another World	£16.99	£25.99	Harlequin	£16.99	£25.99	Railroad Tycoon	£22.99	£34.99
Agony	£16.99	£25.99	Hero Quest	£16.99	£25.99	Realms	£19.99	£29.99
Alien Breed	£16.99	£25.99	Hudson Hawk	£16.99	£25.99	Red Baron	£25.99	£39.99
Alien Storm	£16.99	£25.99	Jimmy White's Snooker	£19.99	£29.99	Rainbow Collection	£13.99	£19.99
Barbarian II	£17.99	£30.99	King's Quest V	£25.99	£39.99	Rise of the Dragon	£25.99	£39.99
Bart Simpson	£16.99	£25.99	Knightmare	£19.99	£29.99	Robocod	£16.99	£25.99
Battle Isle	£19.99	£30.99	Knights of the Sky	£22.99	£34.99	Robocop 3	£16.99	£25.99
Birds of Prey	£19.99	£30.99	Last Ninja III	£16.99	£25.99	Rugby World Cup	£16.99	£25.99
Blues Brothers	£16.99	£25.99	Leander	£16.99	£25.99	Secret of Monkey Island II	£19.99	£30.99
Board Genius	£18.99	£29.99	Leisure Suit Larry V	£25.99	£39.99	Secret Weapons of Luftwaffe	£19.99	£30.99
Bonanza Bros	£16.99	£25.99	Lotus Turbo Challenge II	£16.99	£25.99	Silent Service II	£22.99	£34.99
Castles	£19.99	£29.99	Life and Death	£16.99	£25.99	Smash TV	£16.99	£25.99
Chart Attack	£18.99	£29.99	Magic Pockets	£16.99	£25.99	Space Ace II	£25.99	£39.99
Cruise for a Corpse	£19.99	£30.99	Might & Magic III	£29.99	£40.99	Space Quest IV	£25.99	£39.99
Covert Action	£22.99	£34.99	Manchester United Europe	£16.99	£25.99	Special Forces	£22.99	£34.99
Death Knights of Krynn	£19.99	£30.99	Mega Twins	£16.99	£25.99	Sliders	£16.99	£25.99
Deluxe Strip Poker III	£16.99	£25.99	Microprose Golf	£22.99	£34.99	Super Space Invaders	£16.99	£25.99
Deuteros	£16.99	£29.99	Mig 29M Super Fulcrum	£25.99	£39.99	Terminator 2	£16.99	£25.99
Double Dragon III	£16.99	£25.99	Moonstone	£19.99	£29.99	Test Drive 2 Collection	£19.99	£29.99
Elvira II	£22.99	£34.99	Monster Pack II	£16.99	£25.99	Top League	£19.99	£30.99
Epic	£19.99	£30.99	Myth	£16.99	£25.99	The Chaos Engine	£16.99	£25.99
Eye of the Beholder II	£19.99	£30.99	Ninja Collection	£16.99	£25.99	TNT 2	£16.99	£25.99
Face Off Ice Hockey	£16.99	£25.99	Oh No Not More Lemmings (Add on)	£13.99	£19.99	Thunderhawk	£19.99	£30.99
Final Fight	£16.99	£25.99	Oh No Not More Lemmings (Stand alone)	£16.99	£25.99	Ultima 6	£19.99	£30.99
First Samurai/Megalomania	£16.99	£25.99	Ork	£16.99	£25.99	Utopia	£19.99	£30.99
Flames of Freedom	£22.99	£34.99	Outrun Europa	£16.99	£25.99	Video Kid	£16.99	£25.99
Flight of Intruder	£21.99	£34.99	Paperboy II	£16.99	£25.99	Willy Beamish	£22.99	£34.99
F15 Strike Eagle II	£22.99	£34.99	Pitfighter	£16.99	£25.99	WWF Wrestling	£16.99	£25.99
Football Crazy	£16.99	£25.99	PGA Courses	£10.99	£14.99	Wolf Child	£16.99	£25.99
Formula One Grand Prix	£22.99	£34.99	PGA Tour Golf	£16.99	£25.99	World Series Cricket	£19.99	£30.99
Gauntlet III	£16.99	£25.99	PGA Plus	£19.99	£29.99			

NO OBLIGATION TO BUY

Just enclose £7.50 annual membership fee with your initial order and receive the following benefits:

- FREE DISK BOX WORTH £8.99
- SAVE HUNDREDS OF POUNDS ON RECOMMENDED RETAIL PRICES
- UNBEATABLE SPECIAL OFFERS
- FREE COLLECTORS CARD FOR EVEN MORE SAVINGS
- 10% DISCOUNT ON GAMES AT OUR STAND AT COMPUTER SHOWS
- MEMBERSHIP CARD AND PIN NUMBER
- JOINING A CLUB WITH MORE THAN 10,000 MEMBERS WORLDWIDE

MEMBERSHIP DETAILS

NO OBLIGATION TO BUY

FREE!

80 CAPACITY
DISK BOX
WORTH £8.99

HOW TO ORDER

Please charge my Access/Visa No. _____ Expiry Date _____

ORDER FORM



Please supply me with the following:

TITLE	PRICE
MEMBERSHIP ONLY	£7.50
TOTAL ENCLOSED	

Name _____ Date _____

Address _____

Postcode _____

Telephone _____

Please make cheques and postal orders payable to FX Direct and send to the address above

Credit card orders taken. Payment cashed only on despatch. Please add £1.00 per order p&p. 1st class add £1.25 p&p per order. EEC countries add £3.00 p&p per order. Non EEC countries add £5.00 p&p per order.

So you're standing there in the shop, and you can't remember what the best scores were. Your problem is solved with this comprehensive guide.

The Magical History Scores

THIS MONTH'S SCORES

Here they all are, the best, the bad and the bogus - all the games around this issue, neatly packed into a tidy bundle so you can see what's worth buying.



This month's hot item is *John Madden's Football* from Electronic Arts. It's a classic simulation of the USA's favourite game - the only one of its kind to avoid the reams and reams of boring statistics and provide action instead. Take on the toughest teams in the NFL and win the Superbowl in style.

John Madden's Football	Electronic Arts	94%
Shadowlands	Domark	93%
Storm Master	Silmarils	90%
Return of Medusa	Starbyte	85%
Pinball Dreams	21st Century	84%
Harlequin	Gremlin	78%
Wayne Gretzky Hockey 2	Bethesda/US Gold	78%
WolfChild	Core Design	76%
PGA Tournament Courses	Electronic Arts	72%
Mad Dog Williams	Game Crafters	72%
Crime City	IF	70%
Starbyte Super Soccer	Starbyte	63%
Videokid	Gremlin	60%
Big Run	Storm	58%
4D Sports Driving	Mindscape	33%
Leisure Suit Larry 5	Sierra	50%
Willy Beamish	Sierra	44%
Great Napoleonic Battles	Impressions	40%
Borobodur	Thalamus	35%
Hare Raising Havoc	Infogrames/Disney	25%

LAST MONTH'S SCORES

Lurking on shelves around the country, you'll find these games waiting for you. But which ones are the flyers and which are the flops? Now you know.

Robocop 3	Ocean	91%
Heart Of China	Sierra	90%
Mercenary 3	Novagen	87%
Kid Gloves 2	Millennium	79%
Leander	Psygnosis	78%
Fate: Gates of Dawn	reLine	77%
WWF Wrestlemania	Ocean	72%
Realms	Virgin	69%
Golden Eagle	Loriciel	59%
Moonstone	Mindscape	59%
The Godfather	US Gold	46%
Red Baron	Dynamix/Sierra	39%
Falling Jewels	Soft and Easy	38%
Steve McQueen	Loriciel	26%
Thunder Burner	Loriciel	22%

ISSUE 31'S SCORES

These dusty old games are looking for homes or facing the chop. Scoop 'em up and save 'em while you can.



Where else could you punch the living daylight out of big-eared dwarves without getting arrested? In a *Knightmare*, that's where. Tony Crowther's role-play adventure is hard work, but you'll come out the other side a changed person. Warped, probably.

Starglider 2	Mirror Image	88%
Knightmare	Mindscape	85%
Another World	US Gold	82%
Oh No! More Lemmings ..	Psygnosis	82%
Abandoned Places	Electronic Zoo	80%
Populous World Editor ..	Electronic Arts	80%
Soccer Stars	Empire	79%
A320 Airbus	Thalion	78%
Barbarian 2	Psygnosis	73%
Bonanza Bros	US Gold	70%
Champions	Krisalis	70%
World Cup Rugby	Audiogenic	68%
Wild West World	US Gold	64%
Smash TV	Ocean	61%
Alien Storm	US Gold	59%
Space 1889	Empire	59%
Tip Off	Anco	50%
Fantastic Voyage	Centaur	49%
Cardiaxx	Electronic Zoo	25%

LAST YEAR'S SCORES

Things look even better than they did last year. Now there are more Format Golds, and loads more titles about.

Deuteros	Activision	FG95%
S.W.I.V.	Storm	FG92%
Chaos Strikes Back	Mirrorsoft	89%
'Nam	Domark	88%
Genghis Khan	Infogrames	84%
The Power	Demonware	84%
Super Monaco GP	US Gold	83%
Back to the Future	Imageworks	82%
Super Skweek	Loriciel	81%
Moonshine Racers	Millennium	79%
Revelation	Krisalis	78%
Tower FRA	Thalion	74%
Hard Drivin'	Domark	68%
Ski or Die	Electronic Arts	62%
Warlock - The Avenger ..	Millennium	60%
A Prehistoric Tail	Thalion	49%
Emlyn Hughes Quiz	Audiogenic	38%

TOP TEN AMIGA
BUDGET PRICE CHART

1(-)	First Division Manager CodeMasters	£7.99
2(4)	Scooby-doo Hitec Software	£7.99
3(-)	Ghouls 'n' Ghosts Kixx	£7.99
4(-)	Operation Thunderbolt Hit Squad	£7.99
5(-)	Int. Ninja Rabbits Micro Value	£7.99
6(9)	Wacky Races Hitec Software	£7.99
7(-)	Ultimate Golf GBH Gold	£9.99
8(-)	Robocop Hit Squad	£7.99
9(-)	World Cricket Zeppelin	£7.99
10(1)	New Zealand Story Hit Squad	£7.99

LAST YEAR'S TOP
TEN FULL PRICE CHART

1	Final Whistle Anco
2	Powermonger Electronic Arts
3	F-19 Stealth Fighter MicroProse
4	Robocop 2 Ocean
5	Teenage M H Turtles Mirrorsoft
6	Speedball 2 Mirrorsoft
7	Lotus Turbo Challenge Gremlin Graphics
8	Kick Off 2 Anco
9	S.C.I. Ocean
10	Chaos Strikes Back Mirrorsoft

THE TOP 30 AMIGA
FULL PRICE CHART

1(-)	New Formula One Grand Prix MicroProse	£34.99	FG92%
2(1)	▼ WWF Wrestlemania Ocean	£25.99	72%
3(7)	▲ Jimmy White's Whirlwind Snooker Virgin	29.99	FG91%
4(3)	▼ Birds of Prey Electronic Arts	£34.99	88%
5(5)	■ Populous 2 Electronic Arts	£29.99	FG95%
6(6)	■ James Pond 2 - Robocod Millennium	£25.99	FG91%
7(4)	▼ Robocop 3 Ocean	£25.99	FG91%
8(5)	▼ Lotus Turbo Challenge 2 Gremlin Graphics	£25.99	89%
9(9)	▼ Heimdall Core Design	£34.99	88%
10(23)	▲ Football Crazy Challenge Anco	£25.99	Comp
11(-)	New Another World Delphine/US Gold	£25.99	82%
12(8)	▼ Leander Psygnosis	£25.99	78%
13(-)	New Wolfchild Core Design	£25.99	76%
14(12)	▼ Dizzy Collection Code Masters	£24.99	Comp
15(-)	New Abandoned Places Electronic Zoo	£29.99	80%
16(-)	New PGA Tour + Electronic Arts	£29.99	Comp
17(11)	▼ Oh No! More Lemmings Psygnosis	£19.99	82%
18(13)	▼ Alien Breed Team 17	£24.99	74%
19(18)	▼ First Samurai Mirrorsoft	£30.99	FG91%
20(15)	▼ MicroProse Golf MicroProse	£34.99	FG90%
21(16)	▼ Manchester United Europe Krisalis	£25.99	80%
22(-)	New PGA Tournament Courses Electronic Arts	£14.99	72%
23(25)	▲ Nightmare Mindscape	£30.99	85%
24(-)	Re Monkey Island US Gold	£29.99	FG92%
25(-)	Re Cruise for a Corpse US Gold	£27.99	FG90%
26(21)	▼ Board Genius Beau Jolly	£29.99	Comp
27(-)	Re F-15 Strike Eagle 2 MicroProse	£29.99	FG90%
28(22)	▼ Soccer Stars Compilation Empire	£25.99	Comp
29(14)	▼ Terminator 2 Ocean	£25.99	60%
30(-)	New Moonstone Mindscape	£30.99	59%

Chart Chatter



MicroProse have definitely hit upon the right formula with *F1 GP*. Streets ahead of the rest.

Just in time to start the 1992 racing season, MicroProse's spectacular *Formula One Grand Prix* grabs pole position. Hardly surprising, because it's really one helluva game, and it deserves a good long run out in front. It's left tyre-marks all over Ocean's *WWF Wrestlemania*, the not-so-amazing fold-em, beat-em and bend-em-up. If *WWF* can pick itself up off the canvas, it'll probably start slinking back to the changing room for a quiet lie-down and a change of shorts.

Meanwhile, just to prove that snooker isn't as boring as Steve Davis makes it look, *Jimmy White's Snooker* surges up another four places, in true whirlwind fashion. We had thought it was all over for the potty player, but maybe he was just cueing up after all. *JWWS* cannons off EA's *Birds of Prey*, which had just settled down on the baize, preening itself, and truly gives it the bird.



Gremlin's *Lotus Turbo Challenge 2*, now losing ground to the fast-movers. Out of gas, maybe?



Flying high again this month - EA's *Birds of Prey*. But it's not *Top Gun* and it's about to dive.

Strangely enough, *JWWS*'s last-minute spurt has left *Populous 2* and *Robocod* standing, looking rather amazed. They haven't moved from their previous position, and are just clinging on for dear life. Don't look down guys, it's a long drop.

Robocop 3, Ocean's electric lawnmower, sorry lawman, has obviously had another short-circuit. He's ignoring his prime directive (to reach the top of the charts), and is busy heading back to base, chasing Gremlin's *Lotus Turbo 2* which is still stuck in reverse gear and going backwards at high speed.

The backmarkers include Core's Norseman, *Heimdall*, who's obviously decided he likes it where he is and is putting down roots. Typical Viking invasion plan. Last over the finish line is *Football Crazy Challenge*, easily a lap behind. But will it trip over its own laces, running so fast as it appears to be?



Core! Here's *Heimdall*, hanging on for the coup de grace. Will he be in the top 10 next month?

SHADOWLANDS

Shadowlands - a completely new and unique role playing experience. The story is based upon ancient legend. A warrior prince, slaughtered on the battlefield of the Shadowlands, awakes to find that his spirit lives on and that he can control the minds and actions of his subjects. Seeking retribution, he chooses four loyal adventurers and guides them back into the Shadowlands on a journey of discovery and vengeance.

- The revolutionary new Photoscape™ lighting system casts atmospheric light and shadow over the gameworld.
- Fight to the death using an array of weapons and spells against hordes of grotesque and intelligent adversaries.
- A multitude of devious traps and perplexing puzzles tax your skill, intelligence and dexterity.
- User definable characters are controlled independently or in groups.
- In-game hints are always available (for a price) if you need them.

The friendly and intuitive mouse-driven control system gives access to the largest, strangest and most fascinating game world. It's an enormous challenge - but one you can win!

Whether you're an expert or new to the genre, Shadowlands is the RPG experience you've been waiting for.



Available on:

Amiga, Atari ST & IBM PC.

Software, Artwork, Instructions and Packaging
© 1992 Domark Group Ltd.

Published by Domark Software Ltd, Ferry House,
51-57 Lacy Road, London SW15 1PR
Amiga Screenshots.



I've got no
hesitation in
awarding
Shadowlands
our highest
accolade:-
DAVID SPENCER - ACE



“SHADOWLANDS IS THE NEW ACE
ROLE PLAYING GAME BENCHMARK”

DOMARK

KCS POWER PC BOARD FOR YOUR AMIGA

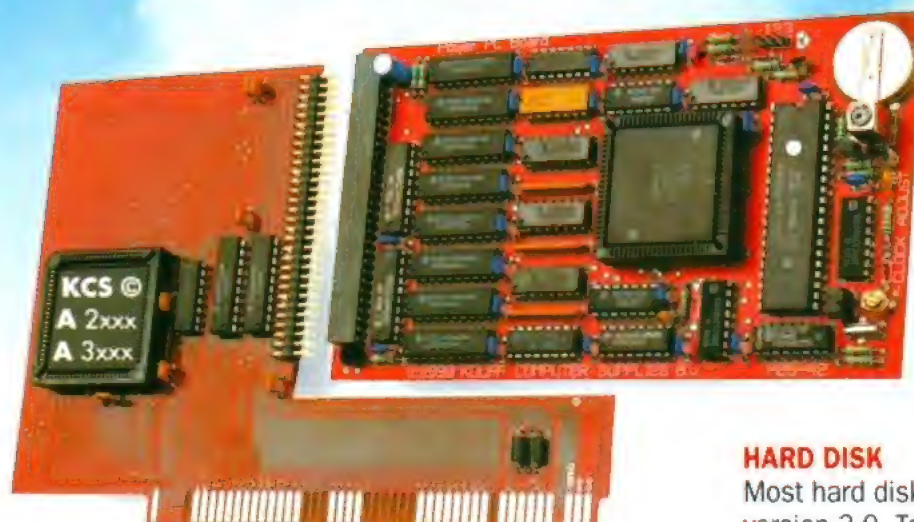


The best of both worlds
in the space of one



Now Available
with or without
MS-Dos
See Below

Adapter + PC Board
for the Amiga 1500/2000/2500/3000



For the Amiga 500

A500P version
now ready
and gives you
total 2Mb Chip
Ram. When
ordering state
which one you
require.

HARD DISK

Most hard disks are supported with
version 3.0. To be sure give us a ring.

The KCS Power PC Board adds 1Mb memory to your Amiga and a
real time clock

Think how much 1Mb memory plus a clock costs

Think how much MS-Dos/GW-Basic/Shell/Dos-Help costs

£ _ _ _

£ _ _ _

Which leaves the cost of an AMIGA/PC just

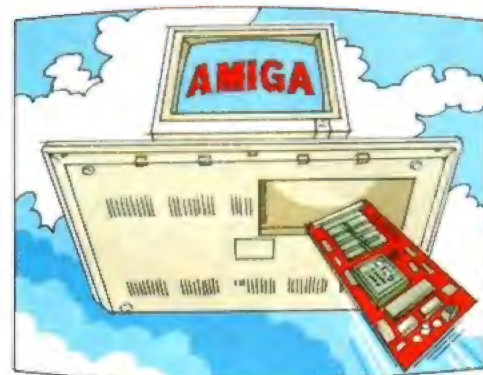
£ _ _ _

For so little outlay the Power PC Board turns your Amiga into an up and
running powerful PC, with no hidden costs. The cheapest PC in the world?!

Run heavyweight professional PC software on your Amiga/PC



Microsoft flight simulator 4.0

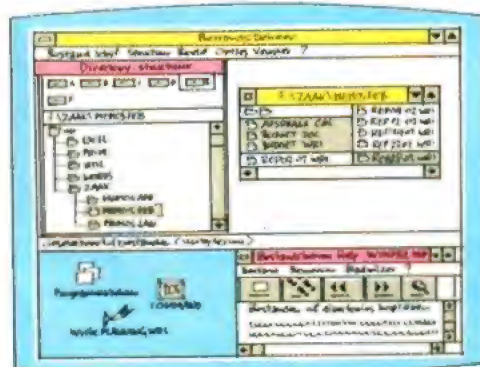


EGA

Will work from the full EGA colour
palette. Both EGA and VGA will work
on a standard TV or monitor and in
most cases without using interlace.

VGA

Version 3.0 of our software comes with
VGA colour and mono option. EGA/VGA
will work on all standard Amigas irre-
spective of which chip set you have.



Microsoft windows

Some extra Goodies:

- FLICKER FREE FIXER in PC interlace mode. Will work with all Amigas. Software emulated.
- PROCESSOR SPEED can be slowed down from 100% to as low as 16%, so if you have never reached the highest level in a game, now is your chance.
- KCS PC-MOUSE driver will work with your Amiga mouse.
- PAUSE can be activated at any time during a game or program, allowing you to continue at your leisure.

Technical Specifications:

- Excellent compatibility
- 704Kb memory in MGA/VGA mode
- 640Kb memory in EGA/VGA mode
- 200Kb extra memory ie: MS-DOS RAMDISK (reset proof)
- 1/2Mb extra FAST Ram plus 1/2Mb Ram Disk for normal Amiga use plus real time clock in all modes.
- All future upgrades are software driven
- Processor speed = 11MHz
- Video runs faster than most AT/286 computers
- Disk drive
- Fitted in seconds and does not invalidate your guarantee
- Once fitted forget it - Switch on computer you have Amiga. Reset and load PC disk and in seconds you have a PC. Reset and you have Amiga again.
- Help-Line and excellent Back-up service

PRICE

Including MS-DOS
and on-board
memory
£219.95
Inc VAT/Carr.

Excluding MS-DOS
but incl on-board
memory
£189.95
Inc VAT/Carr.

BDL

BITCON DEVICES LTD.

88 BEWICK ROAD, GATESHEAD, TYNE & WEAR,
NE8 1RS ENGLAND
TEL: (091) 490 1919, HELPLINE: (091) 490 0202
FAX: (091) 490 1918



Adaptor for 1500/2000/3000 -
£74.95 Inc.

Available from your local computer shop (If they haven't got it - Ask them why not!). Or direct from Bitcon Devices Ltd.

Australia: HPD (Tel) 08 349 8486. Kaotic (Tel) 03 879 7098. Spain: Discover Inf. (Tel) 957 47 89 38. Sweden: Delikatess Data (Tel) 31-300580. Canary: Customs Chipx (Tel) 928 271064. Denmark: Betafon (Tel) 31 31 02 73. Portugal: Softclub (Tel) 01 352 8452. Ireland: Computer City/Dublin 745250. N. Zealand: Pazac (Tel) 054-82949. All trade enquiries welcome. UK and Overseas (PAL only).

YOU LOVE US!

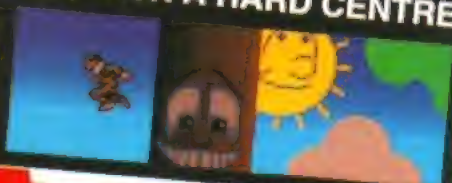
In the attitude-packed March issue, we look deep into Ocean, peek at the diary of *Mega lo Mania 2* and give all the new releases the praise or just desserts they deserve. Can you contain yourself for another two weeks when the April issue hits the streets?

STARTS THIS MONTH: DIARY OF A GAME! PLATFORM GAME BUYER'S GU

HARLEQUIN

SWEET, WITH A HARD CENTRE

BRITAIN'S
BEST-SELLING
AMIGA GAMES
MAGAZINE!



WIN!

A TRIP TO PARIS

QUICK! GO TO P89!

Future
PUBLISHING

Your
guarantee
of value



ISSUE 11 £2.95 MA

A MAGAZINE WITH ATTIT

AMIGA OVER 30 NEW GAMES



IF YOU'VE
EVER LOVED
OR HATED
AN OCEAN
GAME, IT'S
DOWN TO
THIS MAN!

John Madden, Shadowlands,
Abandoned Places, Videokid,
Leisure Suit Larry 5 and more!

LOOK!
AMIGA POWER DISK 1 1

PLUS!

ADDAMS
FAMILY
EPIC
SPACE
GUN
WIZKID



PACIFIC ISLANDS

Presenting an exclusive
AMIGA POWER mission from
Empire's totally stonking
multi-tank simulation

OCEAN'S NEW

POST HASTE

ALL PRICES INCLUDE VAT & DELIVERY TO YOUR DOOR

Select any 3 titles valued £7.99 or less and you pay only £20

SOFTWARE

Some of the following games titles are limited offers at the time of going to press. Order early to avoid disappointment. We stock all the latest and currently available titles which we offer at 30% OFF Recommended Retail Prices

GAMES

Afterburner	6.99
Alien Breed	6.99
Anarchy	6.99
Armalyte	7.99
Barbarian (Palace)	6.99
Batman The Movie	6.99
Battle Squadron	7.99
Baywatch	9.99
Beastie Hills Cop	6.99
Blitzkrieg (1 Mb)	12.99
Blood Money	7.99
Bubble Bobble	6.99
Budokan	6.99
Cabal	6.99
Carrier Command	7.99
Centfold Squares	6.99
Chase HQ	6.99
Chuckie Egg	7.99
Chuckie Egg II	7.99
Colossus Chess X	6.99
Combi Racer	6.99
Conqueror	6.99
Daily Double Horse Racing	6.99
Deluxe Strip Poker	6.99
Double Dragon	7.99
Double Dragon II	7.99
Dragon Ninja	7.99
Dragons of Flame	7.99
Enchanter	7.99
Eswat	7.99
European Superleague Soccer	9.99
F16 Combat Pilot	7.99
FA-18 Interceptor	6.99
Fantasy World Dizzy	6.99
Fast Food Dizzy	6.99
Fernandez Must Die	4.99
Fire & Brimstone	7.99
Footballer of the Year II	6.99
Full Contact	7.99
Gauntlet II	6.99
Ghostbusters II	6.99
Ghosts n' Ghosts	6.99
Grimkins 2	7.99
Head Over Heels	6.99
Heroes (compilation)	6.99
Hitchhikers Guide to the Galaxy	7.99
Hong Kong Phooey	6.99
Immortal	6.99
Impassable	6.99
Indy Jones - Last Crusade Action	6.99
International Karate - Italia 90	7.99
James Pond	7.99
Jockey Wilson Darts	4.99
Jet Set Willy II	7.99
Jetsons	6.99
Keel The Thief	7.99
Kick Off II	6.99
Kick Off II Europe	6.99
Kick Off II Giants of Europe	6.99
Klax	6.99
Last Ninja II	6.99
Leather Goddesses of Phobos	7.99
Line of Fire	7.99
Lombard RAC Rally	6.99
Magic Fly	6.99

WINNING FIVE
Iron Lord,
Night Hunter,
Sir Fred,
Twin o World
Puffy's Saga
Value at only £9.99 the Lot!

Manic Miner	7.99
Menace	7.99
Mighty Bombjack	7.99
Mnemonizer	6.99
New Zealand Story	6.99
Nightbreed (Action Game)	4.99
Ninja Rabbit	5.99
Ninja Warriors	7.99
Nitro	7.99
North & South	8.99
Operation Thunderbolt	6.99
Pacland	7.99
Pacmania	7.99
Planetfall	7.99
Populous	8.99
Populous Promised Lands	4.99
Power Drift	7.99
Predator	6.99

THROTTLE TIME
Buggy Boy, Bombjack,
Space Harrier, Live &
Let Die, Thundercats,
Beyond the Ice Palace,
Battleships and
Ikari Warriors
All for only £9.99

Puzzle	7.99
R-Type	6.99
Rambo III	6.99
Rick Dangerous	6.99
Roadblasters	6.99
Robocop	6.99
Ruff n' Ready	6.99
Scoby Doo & Scrappy Doo	6.99
Shadow of the Beast	7.99
Shinobi	6.99
Shooters Up Construction Kit	6.99
Silkworm	6.99
Ski or Die	6.99
Sky High Stuntman	6.99
Skull & Crossbones	7.99
Speedball 2	9.99
Starfighter II	7.99
Steve Davis Snooker	6.99
Strider II	7.99
Stunt Car Racer	6.99
Super Grand Prix	5.99
Super League Soccer	6.99
Super Scramble Simulator	6.99
Saw	7.99
Terrorpods	4.99
Thrill Time (compilation)	9.99
Thunderblade	6.99
Titanic Titanic	6.99
Top Cat	6.99
Troika G1 Rally	6.99
Treasure Island Dizzy	4.99
Turbo Outrun	6.99
Turrican	6.99
Turrican II	7.99
Ultimate Ride	7.99
Universal Military Simulator I	9.99
Untouchables	6.99
Venus the Hydrap	6.99
Voodoo Nightmare	6.99

WHEELS OF FIRE
Turbo Outrun
Chase HQ
Hard Drivin'
Powerdrift
All car action for only
£9.99

Warzone	7.99
Waterloo	7.99
Wheels of Fire (compilation)	9.99
White Death (1 Mb)	12.99
Wings (1 Mb)	6.99
Winning Five (Compilation)	6.99
Winning Tactics	6.99
Wishbringer	7.99
Wolfpack	6.99
World Class 1 leaderboard	6.99
World Cricket	6.99
Xenon	6.99
Yogi's Great Escape	6.99
Yolanda	7.99
Z-Out	7.99
Zork, Zork II or Zork III	7.99

EDUCATIONAL

Answerback Junior	14.49
Answerback Senior	13.99
Arithmetic (Answerback facts)	7.49
Ass Football (Answerback facts)	7.49
Spelling (Answerback facts)	7.49
Better Maths (12-16)	16.49
Better Spelling (over 8)	16.49
Count and Add	16.99
Data World	13.99
Distant Suns (Astronomy)	37.99
Deep sky Objects	14.99
Skymap Expansion	6.99
First letters (Under 5)	14.99
Fun School 2 (2-6, 6-8, or 8-)	13.99
Fun School 3 (2-5, 5-7, or 7-)	16.99
Fun School 4 (2-5, 5-7, or 7-)	16.99
Game Set and Match	16.99
Hemlock's Book of Spells	16.99
Hooray for Hemlock (5-12)	16.99
Kid's Type	16.99
Lets Spell at Home	13.99
Lets Spell at the Shops	13.99
Lets Spell Out and About	13.99
Magic Maths (4-8)	16.49
Magic Storybook (1 Mb)	19.99
Maths Adventure	16.99
Maths Dragon	10.99
Maths Mania (over 8)	16.49

BE AMONG THE FIRST TO PLAY!!! PRE-BOOKED SOFTWARE

We accept advanced orders for all forthcoming software titles and your order will be despatched on the day of release. Your credit card will be debited also on the same day as despatch!!!

TOP TITLES SPECIALS

Lotus Turbo Esprit 2, Terminator 2, Lemmings, Robocop, Simpsons, Leander, Another World, WWF Wrestling, Monkey Island, PGA Tour Golf, Gauntlet 3, Rodland, Hero Quest.....£18.99 EACH

Jimmy White's Snooker, Realms, Thunderhawk, Mega-Lo-Mania, Knightmare, Populous II, Battle Isle, Moonstone, Utopia, Monkey Island II.....£18.99 EACH

Knights of the Sky, Flight of the Intruder, F-15 Strike Eagle II, Silent Service II, Heart of China, Red Baron, Microprose Grand Prix, Flight Sim II, Space Ace II, Willy Beamish, Heimdal.....£22.99 EACH

Mavis Beacon Teaches Typing	10.99
Mega Maths	17.99
Micro English	17.99
Micro French	17.99
Micro Maths	17.99
Mix & Match	16.99
Paint Me a Story	16.49
Pope's Garden	16.99
Picture Book	13.99
Spellbook	7.99
Target Maths	13.99
The Famous Five	16.99
Things to do with Numbers	13.99
Things to do with Words	13.99
Three Bears	16.49

Compendium SIX

Kids Type
Weather Watcher
What is it Where is it?
Calendar Quiz
Words & Numbers
Game, Set & Match
Only £29.99

Weather Watcher	17.99
World Atlas	44.99

SERIOUS

VIDEO & MULTIMEDIA	
Photon Video (Gel Animator)	7.99
Deluxe Video III	59.99
Aegis Animagic	59.99
Broadcast Titrer 2	174.99
Broadcast Titrer Font Pack	99.99
Broadcast Titrer Font Maker	99.99
AmigaVision	239.99
Showmaker	119.99
Cando	27.99
Cando ProPak	49.99
Hyperbook	174.99
Scala	79.99
Director II	79.99
TV Text Professional	89.99
TV Show 2	49.99
VideoTitrer 1.5 3D	89.99
WORDPROCESSING	
Scribble Platinum	39.99
Kindwords 2	39.99
Interword	39.99
Final Copy	59.99
Penpal	59.99
Excellence 2	59.99
Protext 4.2	89.99
Protext 5.5	99.99

CAD	
X-CAD 3D	299.99
Aegis Draw 2000	99.99
ACCOUNTS	
Home Accounts 2	39.99
Cashbook/Final Accounts	44.99
Personal Tax Planner	29.99
Personal Finance Manager	21.99
Small Business Accts Cash	59.99
Small Business Accts Xtra	79.99
GRAPHICS	
Deluxe Paint IV	59.99
Deluxe Paint 3	29.99
Deluxe Photofab	34.99
Spectrator	57.99
Disney Animation Studio	74.99
Real Things Birds	20.49
Real Things Humans	20.49
Real Things Horses	20.49
Real Things Sea Life	20.49
Real Things Safari	20.49
Profills	24.99
Pixmate	37.99
Butcher	27.99
The Art Department	49.99
The Art Department Pro 2.00	134.99
Kara Anim Fonts 1, 2 or 3	29.99
Kara Fonts Headlines 1 or 2	49.99
Kara Fonts Sub Headlines	44.99
3D MODELLING & RENDERING	
3D Construction Kit	32.99
4D-Professional	199.99
Sculpt 3DXL	84.99
Sculpt Animate 4D	199.99
Vista	42.99

AMIGA 500 PLUS CARTOON CLASSICS PACK

Latest specification 1Mb RAM, Workbench 2 with enhanced chipset (Up to 2 Mb Chip RAM)
Plus usual Cartoon Classics Software Pack!!!
Only £359

One Meg Upgrade for A500 Plus
Enables 2Mb CHIP RAM.....£49.99

Vista Professional	89.99
Scenery Generator	32.99
Scenery Animator	59.99
Imagine	149.99
3D Professional	349.99
Real 3D Beginners 1.4	119.99
Real 3D Professional/Turbo 1.4	299.99
PROGRAMMING	
AMOS	32.99
AMOS Compiler	20.49
AMOS 3D	23.49
Depac 3	49.99
HiSoft Basic	57.99
HiSoft Basic: Extend	14.49
MUSIC	
Stereo Master	29.99
Deluxe Music Const. Set	49.99
Music X Jnr	29.99
Quartet	35.99
Master sound sound sampler	79.99
Audio Engineer Sound Sampler	179.99
Bars & Pipes Professional	174.99
Bars & Pipes Int. Sound Kit	49.99
Bars & Pipes Music Box 4	49.99
Bars & Pipes Music Box 8	49.99
MISCELLANEOUS	
AREXX	32.99
SAD Disk Optimiser	34.99
Cross Dos 4	29.99
Dos 2 Dos	39.99
Disk Master	39.99
Disk Master II	44.99
Tacili	24.99
GB Route Plus (New Version)	54.99
Icon Paint	8.99
Quarterback IV Disk Backup	49.99
Quarterback Tools	59.99
Supra 500RX 6Mb RAM (6Mb Pop)	209.99
A2000 1500 6Mb Ramcard	189.99
256kx4 RAM chips per Mb	35.99
1Mb x1 DRAM chips per Mb	35.99
AT-Once PC 286 Emulator	179.99
Colour Solution (Vidi RGBsplit)	159.99
Sharp JX100 A6 Col. Scanner	825.99
Golden Image Hand Scanner	149.99
Genitler Graphics Tablet	129.99
Zydec Microwatched Mouse	17.99
Naksha Mouse-Operation Stealth	23.99
Mouse Mat	4.99
50 Blank Disks	25.99
MONITORS	
Philips BR33-II Visto (Inc Lead)	219.99
Philips BR33-II (Inc Lead)	239.99
Commodore 1084s	254.99
Commodore 1950 Multisync	499.99
PRINTERS	
(Inc. leads-Amiga Printer Drivers)	
Star LC200 Colour	219.99
Star FR-10 Colour	229.99
Star LC24-200 Mono	259.99
Star LC24-200 Colour	299.99
StarScript Postscript Laser	1099.99
Citizen Swift 24e Colour	199.99
Citizen Swift 24e Colour	299.99
Canon Bubblejet Portable	249.99
HP Paintjet Colour Inkjet	825.99
Panasonic 4420 Laser	849.99
Panasonic 4420 1Mb Upgrade	109.99

You name it... We do it... Just phone and we'll quote... We are faster and cheaper!

PRICES QUOTED ARE SUBJECT TO AVAILABILITY.. SOME OFFERS ARE LIMITED SO ORDER EARLY TO AVOID DISAPPOINTMENT

Cheques/PO Orders to POST HASTE, 11a Burgate Lane, Canterbury, Kent. CT1 2HH

TELEPHONE HOTLINE 0227-764204 9.30am to 7.00pm

(Answerphone outside normal hours)

VISA, MASTERCARD and EUROCARD orders welcome

Visa, Mastercard, Eurocard and PO Orders are despatched same day!

Please allow up to 4 working days for cheques to clear. Overseas orders add £2.00 postage.

MAIL & TELEPHONE ORDERS ONLY.... NO PERSONAL CALLERS PLEASE!

VISA

MasterCard

THE LUCKY BEGGARS

Quite a few prizes go out this month to make up for the recent lack of hefty reader's tips. The first Gamebusters voucher goes out to D Bruce for his *Robocod* tips, with another winging it's way to Paul Maxwell for the lovely *Killing Game Show* maps. Big winner of the Gamebuster of the Month is David Glauert for his extremely nice *Populous II* tips and codes.

Seeing as there are three big winners this month and the office kitty is looking a bit thin (plus the fact that there weren't many helpful hints), only one Helping Hand voucher is being awarded, and the winner is Ramon Gerritsen.

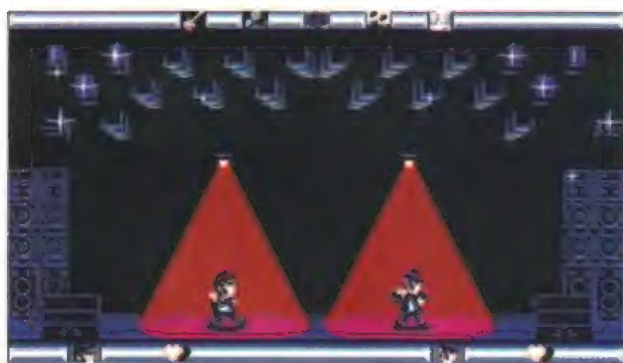
If you've got some hints, cheats, codes or maps (preferably on disk) and fancy your chances at winning a prize, send them in to:

GAMEBUSTERS.
Amiga Format,
 30 Monmouth Street,
 Bath BA1 2BW.

One thing to remember - we can't promise to return disks or answer any letters personally. We're just too busy putting the mag together!

BLUES BROTHERS

This licence of the infamous *Saturday Night Live* characters only managed to capture a certain amount of the feel of Jake and Elwood's nefarious antics. Still, what can you do with a licensed platform game these days? Anyway, a lot of people have found this one tough going, so a cheat may well be in order.



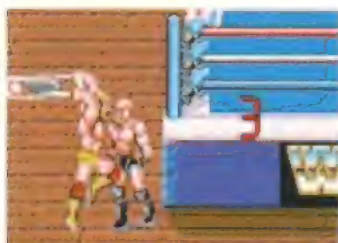
Here it is - the main character selection screen. Bung the cheat code in here to make the game much easier to crack.

When the player select screen appears, type in HOULQ. You will now be able to select any level by pressing keys 1 to 6. Just press Space to play the chosen level with infinite lives.

Bryan Quinn,
 Strathaven, Lanarkshire

WWF WRESTLEMANIA

What is all this fuss about American professional wrestling? Even though Ocean's conversion of this sport didn't wow many reviewers, it still managed to sell loads of copies. Here is a tip from the many readers that have managed to win through.



Use of the furniture can make beating your wrestling opponents a lot easier.

If you are finding some of the opponents a little too tough to beat, go outside the ring and pick up the steel chair. By holding the fire-button and moving around with your opponent, you should be able to clobber him with the seat and drain his energy. Now all you have to do is pin him in the ring to win the fight.

Game Busters

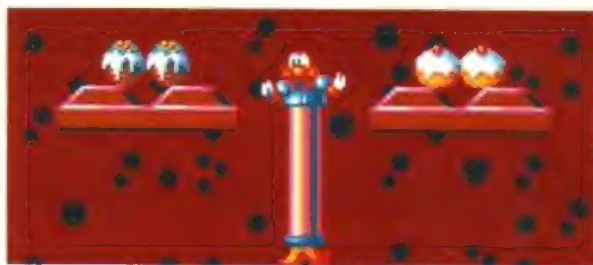
The month of April is upon us, but we're no fools around here (just wait while I fetch a left-handed hammer for the editor. What's he laughing at?). Ah, that's better, time to get on with some useful Gamebusting with **Maff Evans**.

ROBOCOD



This Format Gold winning platform game has certainly captured the attention of all you Gamebusting fans. So much in fact that there have been a few different cheats sent in. Here is the possibly the most complete cheat system so far.

£50



Never mind those sticky cakes, there are a lot more goodies available to *Robocod* fans with this wonderful set of cheats.

On the title screen, type in THE LITTLE MERMAID (including spaces). Now use these keys during the game for special effects:

Return.....Infinite Shield
 F6.....50Hz
 F7.....60Hz
 K.....Suicide
 P.....Gives you an Aeroplane
 F.....Gives you Wings
 X.....Warps to nearest Exit Post
 M.....Map select

Going into Map Select mode allows you to leap to various points in the game. These are accessed using the following numbers:

01.....Level 1-1	19.....Bonus Level 6	37.....Level 5-1
02.....Level 1-2	20.....Level 4-1	38.....Bonus Level 10
03.....Level 1-3	21.....Level 4-2	39.....Level 8
04.....Bonus Level 1	22.....Bonus Level 7	40.....Bonus Level 11
05.....Level 6-1	23.....Bonus Level 8	41.....Level 9-1
06.....Bonus Level 2	24.....Level 4-3	42.....Bonus Level 12
07.....Bonus Level 3	25.....Level 7-1	43.....Bonus Level 13
08.....Level 6-2	26.....Level 7-2	44.....Bonus Level 14
09.....Level 6-3	27.....Level 7-3	45.....Bonus Level 15
10.....Level 1 and 2 Boss	28.....Level 7-4	46.....Bonus Level 16
11.....Level 5 and 6 Boss	29.....Level 7-5	47.....Bonus Level 17
12.....Level 7 and 8 Boss	30.....Level 5-1	48.....Hard Level!
13.....Level 3-1	31.....Level 5-2	49.....Level 9-2
14.....Bonus Level 4	32.....Level 5-3	50.....End Animation
15.....Level 3-2	33.....Level 5-4	
16.....Bonus Level 5	34.....Level 5-5	
17.....Level 3-3	35.....Level 5-6	
18.....Level 3-4	36.....Bonus Level 9	

D Bruce,
 Angus, Scotland



Populous II

£50

Having Godly powers in a strategy game may win a lot of critical acclaim (including the esteemed Format Gold in Issue 30), but it makes life complicated for those of you trying to control a world. Never mind! Here are a healthy selection of tips to help you keep the peace... or smash anyone who gets in your way!

Effects

Move Papal Magnet

This is perhaps the most important effect, since when used in conjunction with the Fight and Settle options it can clear large areas of opposition land.

Perseus

Perseus is the best knight to use. He will avoid any enemy effects and so can be left to fend for himself.

Plague

This is best used at the start of a game, as it will deprive the enemy of lots of energy required later in the struggle.

Armageddon

This is best used in conjunction with the Plague option, since anyone infected with the plague when the icon is selected will die. One thing to note is that when using Armageddon it is also possible to use other effects.

This can be extremely useful. For example, bunging out a good Earthquake can deprive the enemy of quite a few knights. Likewise, Baptismal Fonts is a good way to get extra men, but watch out your own men don't fall in! Unfortunately, Armageddon has the tendency to halve your score.

Trees

This option has two good uses:

A - It gives you more energy from any of your buildings that are on the same screen as the trees.

B - It is very good for destroying large amounts of enemy land. To do this, plant three sets of trees on one screen, then move the screen you are viewing in one direction and repeat the process. When you feel that you have planted enough trees, set fire to them. This will also ignite anything next to a tree, thereby destroying large portions of the opposition. Don't leave the trees for too long though, since the enemy will be gaining energy from them while they are alive.

Renew Land

This is the only way of making land destroyed by a volcano useable. This option also destroys effects on the ground, such as Swamp, Fungus, Basalt and Baptismal Fonts.

Swamp

It is best to use this function at the beginning

of a game, since this will restrict the opposition's growth. However, you have to remember to clear swamp-land (using Renew Land or raising and lowering the land) before your men come near it.

Plant Fungus

A spread of Fungus is a very efficient way of clearing large expanses of flat enemy land for you to use. To do this see the Fungus Spread Box.

Adonis

This chap is a useful Knight due to the fact that he is not affected by Plant effects. He should only be used if you have a leader whose energy level is into the fifth pole. Keep a watch over him until he separates twice, otherwise he could be bumped off prematurely, thus wasting a good knight.

Roads

These are good for a couple of applications. They can stop Fungus spreads and are useful for guiding the enemy towards effects such as Swamps, Fungus and Baptismal Fonts.

Walls

If used correctly, Walls can be an extremely powerful tool. They can be used to confine enemies, but still allow access to your own men. Look out though - since you cannot trap Hercules or any other knight of a particularly strong type. When using walls, you have to note that although you can use Walls on the same screen as your own settlements, you can't use it on settled enemy land. Also, a section of wall has to touch others either directly or indirectly.

Earthquakes

Always make sure to use Earthquakes well away from your own land, since they tend to go wherever they want. However, if you put more experience into Earth effects, they can be sent in the direction you want a little easier. If an Earthquake does encroach on your land, lower the land that it affects, otherwise anything you raise will be destroyed.

Batholith

This effect is very similar to the Volcano from the original game, since it raises the land as well as bringing up a few rocks. For the Earthquake to do any useful damage, the pointer must be well into the icon (meaning

that you have a lot of Batholith energy). One use is to raise land when you don't have access to the Raise/Lower function. However, the effect is best used around the enemy's Papal Magnet, because it can cause the Magnet to be blocked off, and thus preventing the enemy from using it. To make sure that this happens, only carry out the effect when the leader is actually at the Papal Magnet, otherwise he can just move it and send the leader to the new position.

Heracles

One useful function of this character is that when knighted your leader's energy doubles. Heracles is immune to the effects of Walls and Earthquakes.

Lightning

Using lightning is a very good way of killing off enemy leaders and reducing large buildings to rubble, making them easier for your Knights to destroy.

Whirlwind

When used close to a coastline, Whirlwinds can destroy large amounts of coastal land, since they can start a number of Whirlpools.

Storms

The effects of a heavy storm can destroy large amounts of land, particularly when you take into account the fact that lightning strikes from storms can set fire to trees and start forest fires.

Odysseus

If speed is required, then this is the knight to use. He is immune to all air effects.

Fire Column

These tend to concentrate on high ground.

This picture demonstrates the usefulness of Whirlpools (particularly when stirred up by a Whirlwind). Watch that coastline crumble under the pressure of nature's devastating forces!





Storms are useful for throwing a bit of heavenly destruction at your enemy. Watch them run as the clouds gather and the lightning starts to crack above their heads.

They can easily be put out by submerging them in water.

Fire Rain

This is one of the best effects available. They can destroy vast amounts of land and start huge forest fires.

Achilles

This Knight is immune to all fire effects, including magma from a Volcano.

Volcano

Probably the best effect available, since it permanently destroys land. The best use is on collections of large buildings or centred on the enemy leader, since it makes it difficult for his men to reach the Papal Magnet. The only way to make destroyed land usable is to use the Renew Land option.

Basalt

Once formed, Basalt can only be seen on the close-up map view. This means that the enemy doesn't know that you've built a pathway to his land. It also makes it difficult to raise buildings, since Basalt can't be grown upon.

Whirlpools

Although these can be useful for preventing the opposition reaching their Papal Magnet, it is better to use Whirlwinds whenever possible.

Baptismal Font

When used around the Papal Magnet, these can provide a good way of converting men to your side. It's best to use them at the start of the game when there is a dense population.

Helen of Troy

This lady is very useful, since she doesn't cause any damage when charming a person and evicting them from their home. She cannot be destroyed by drowning, so other methods have to be used to get rid of her. However, she can be affected by Baptismal fonts, so get rid of any that appear in her path.

Tidal wave

This devastating effect reduces land to sea level and can only be stopped by land three or four steps higher than sea level. After a Tidal Wave, the opposition will tend to raise the land to provide settlements, so use Whirlwinds or Whirlpools to stop him.

General Hints

If you are unable to raise land, then use Batholiths (when available) to make some new land. Don't use Computer Assistance, since this is next to useless! If this restriction also applies to the enemy, then use Whirlpools to remove his land. Any effect is useful, but look out for when you later want to move in for the kill, since any effects left hanging around will affect your men.

If you can't lower land, use of a well-placed whirlwind or whirlpool can reduce the ground. Once again, use any effects to destroy enemy land if he's suffering from this restriction - but watch out for when you want to move in later on.

If you can neither raise nor lower land, then simply use your Papal Magnet to centre on the enemy targets.

At the start of the game, both sides will have a large and hefty population and consequently will have quite a bit of energy available to them. Use this to carry out a mass destruction (using for example Storm or Fire Rain) on the enemy's population.

If your population is spread out to start with, then try and get them together. This will make it easier to elect a strong leader and protect your clan. However, if your population is mixed up with that of the enemy, use the Fight and Settle option.

When playing on hostile land environments, make sure that you choose a strong house for breeding. If it's a little on the weak side then the person will die, stopping you from reaching any free space.

When the restrictions are in your favour, switch game control to Computer Vs Computer, as this will deal with the boring raising and lowering of land to begin with. Reducing the screen will help to speed things up a little. When you have a decent sized population, take over control.

Here is an extremely useful tip for those of you with weaker characters. Just try using the following for some extra help:

FJECVTSUNTGJVAZV

David Glauert,
Mark, Somerset

LEVEL CODES

If you want to have a look at some of the later levels, use these codes.

Level	Code	Level	Code	Level	Code
20	NGAF	387	ACER	696	PIUNAD
26	UXCCAF	393	AMAAAG	699	LYLOAC
32	LDOMAD	399	LEQUAD	700	INCCAK
36	ADUHAK	402	TUWOAC	701	LLAGAT
42	ALJIAC	408	VEII	702	JIIISAB
48	PEHE	414	GHAKAG	705	AAER
54	IIDDAF	417	MOLLAK	711	AGAAAD
60	INUNAD	423	WOUBAK	713	AMOOAC
66	LOISAB	433	SUOWAB	724	NGSUAD
70	OOMAC	434	ERVEAD	730	UXDOAB
75	EMAAG	435	TTALAG	736	LDLEAT
90	UXII	441	NENEAD	742	AFTHAK
96	LDKAG	446	JIIAT	748	MEUGAC
108	MEOMAB	452	OMAKAF	750	FENEAT
114	ERNEAT	458	UMNGAC	755	TTUHAC
120	PIABAF	463	LEETAG	765	LLOPAB
131	ACFEAG	464	QUHO	771	ACPIAT
136	OPUMAB	468	NGUPAB	775	AGLO
141	HEAGAF	474	UXINAT	780	UBGHAD
147	NEMMAC	479	SONEAC	786	TUUPAB
149	ITIMAT	485	OWOP	790	MMNAC
155	IMALAF	491	UNSIAG	796	DDOO
161	MONEAC	497	SUAFK	800	LDQUAB
167	WOOP	502	IHOAT	806	AFDOAT
173	UPSAG	503	MNCCAB	810	ALUM
179	TTAFK	504	PIATAK	815	UHAFK
184	PIMOAT	505	NEISAG	821	CCCCAB
190	JIERAF	511	THAMAK	828	INMNAB
195	ACUH	517	AKNEAB	831	THUG
201	AMJIAG	518	OOEMAK	833	AAEGAF
202	UMQU	524	UBUXAB	835	ACNEAB
208	QUSOAG	530	TUUXAT	840	OPITAK
211	NESIAF	536	VEPIAF	845	HETU
214	MMFEAK	540	DDLOAG	850	TUFEAK
220	DDLLAB	542	GHAGAD	855	SIUNAT
224	LDAGAD	548	ADMN	860	DDAGAT
228	ADERAK	554	ALOOAG	864	LDETAK
234	ALAAAC	560	PEITAG	870	AFAAAC
235	UNNEAK	566	IADAC	875	UNWIAF
241	SUABAK	572	INTTAT	880	PEUX
244	EGUX	573	LLAKAC	885	CCIIAK
249	NEIIAK	574	JIIPIAK	890	ISTTAT
251	LYLY	575	THUMAG	894	JILL
260	OMILOAF	576	DOLL	896	DOLOAF
263	AGISAK	580	OMAGAC	900	OMUBAG
268	UBMMAT	586	UMMMAT	905	AMAMAC
274	TUOWAF	592	QUOWAF	911	LEVEAT
280	VEEGAD	598	MMEGAD	915	NEABAB
285	WISUAG	604	DDACAB	920	VEJIAK
291	MODOAK	610	ABTTAG	925	WILYAT
295	WOUMAF	616	ATLOAK	931	HOUMAF
301	UPTIAD	617	UXNGAG	937	UXTIAD
302	FEUBAF	620	MEUBAF	943	UHATAB
305	SUHOAK	625	SUATAB	945	SUUPAF
309	CCUPAF	629	CCERAC	950	IILAB
315	LYINAD	635	LY	955	LYOOAK
320	DONEAG	636	INEGAC	960	DOAC
324	OMAC	642	LOAC	965	AKDOAD
326	OOOPAK	644	OMOPAK	970	UMDOAD
332	UBSIAC	650	UMSIAC	975	CEIAC
338	TUAF	653	HELEAB	980	NGCCAF
344	VECCAF	656	QUAF	985	TIERAB
350	GHOMAD	662	MMCCAF	990	GHUGAK
354	ABUHAK	668	DDOMAD	992	LDNEAB
360	ATJIAC	674	ABEGAB	994	ABNEAF
363	UNITAB	676	ADNEAF	995	HOEM
369	SUADAT	678	AFJIAC	The final level: quite a battle!	
375	MNTTAK	684	MEHE		
381	LLLOAC	690	ERDDAF	999	WOITAB

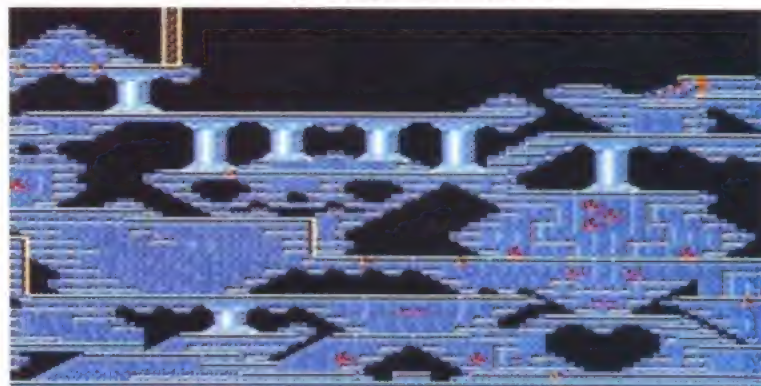
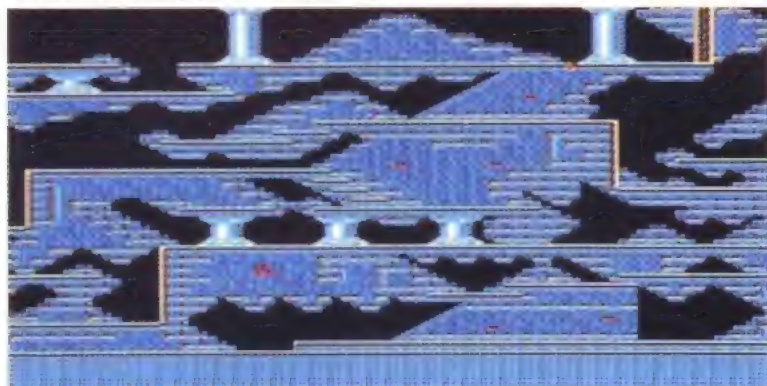
Killing Game Show



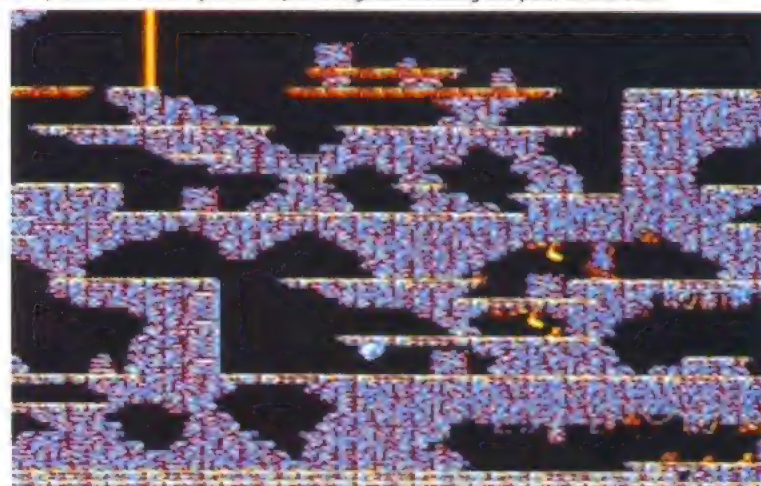
This one is quite an old platform shoot-em-up, but a well designed and highly playable one none the less (it did get a Format Gold back in Issue 17, after all). If you're still having trouble finding your way around the maze-like levels, then just have a look at these lovely, colourful maps. They should help you choose the right path!

£50

The first level is simply a matter of finding your way around and battling the robots that attack you. Locate the exit and keep moving away from the DOLL.



Level two is a little more complicated. You need to find the keys that are scattered around the platforms before you can open the gates blocking the path to the exit.



Find a way on the third level to drop down some chains. These will allow you to reach the higher platforms and make your way to the exit.



Maps by
Paul Maxwell,
Kessingland, Suffolk

WE'VE GOT THE POWER!!!

YOUR LOCAL SHOP.....IN LONDON!

FOLD
HERE

AXE DIRECT LTD

MAIL ORDER

61 Gainsborough Rd, Finchley, London, N12 8AA

ALL PRICES
ARE FOR
MAIL ORDER

VISIT OUR SHOPS!

Power Station Computers, 14 Station Road, Finchley, London N3 2RY
It's right by Finchley Central Tube Station so now you can try our products before buying! - our trained and friendly staff will be pleased to demonstrate any product

11 Eagle Star Complex, 299-301 High Street, Sutton, SURREY
TEL: 081 643 7078

IMPORTANT ALL machines are tested prior to shipping

AXE POWER PACK 1 Its your **CHOICE!** You **CHOOSE** your own chart hit

PACK 1a with 2Mb Plus FREE FA basic 3.5 £379

MEGA PACKS

Ⓐ CARTOON CLASSICS
A500 Plus (1Mb built-in) Including 1Mb disk drive, TV modulator, 4096 colours, multi-tasking, speech synthesis, 4 channel stereo, mouse, 2 operation manuals, Workbench 2.04, all cables, built-in battery, real time clock.
PLUS
The Simpsons
Captain Planet
Lemmings
Deluxe Paint III

Ⓑ CARTOON CLASSICS 1Mb, includes:
Pack A PLUS the following:
Good quality joystick
Dust cover
Mouse mat
The following games (all tested to work on the A500 Plus) Rick Dangerous II, Test Drive II, Gazza II, Gunship, Days of Thunder AND Interword, a great wordprocessor worth over £49.

Ⓒ Pack B with chart game of your choice (up to £26)
e.g. PGA Tour Golf, F19, R-Type 2, F15 etc.

Total Package worth over £600.00

AXE POWER PRICE only **£329**

AXE POWER PRICE only **£379**

AXE POWER PRICE only **£399**

NEW PRICE **SCOOP!** **MONITOR POWER** **NEW PRICE**

TV TUNER Scoop! PRICE £49.99
the best of both worlds!
Use your monitor as a TV

at the AXE Scoop! POWER PRICE of only £239.99 inc. VAT

PHILIPS 8833 MK11 UK VERSION
Including **FREE** lead plus **FREE** dust cover plus **FREE** F19 Stealth Fighter plus **FREE** 1 year on-site maintenance

AXE Scoop! POWER PRICE only £239.99 inc. VAT

A500 HARD DRIVE PROMOTION POWER
GVP Series II 120Mb hard drive (takes up to 8Mb)

AXE POWER PRICE only **£489 inc. VAT**

GVP SER II 52MB (TAKES 8MB RAM) £379

PRICED TO SELL **AXE POWER PACK 2** **SMASHED PRICES**

PHILIPS 8833 MKII COLOUR MONITOR

With Pack **Ⓐ** **AXE POWER PRICE** only **£564.99**

With Pack **Ⓑ** **AXE POWER PRICE** only **£614.99**

With Pack **Ⓒ** **AXE POWER PRICE** only **£633.99**

AXE POWER PACK 3 ITS GOT THE **POWER**

From £549.99 with software

2 year warranty on our Quantum Drives

AMIGA 1500 COMPUTER PACK WORKBENCH 2.04

NEW 1500 BRAND NEW 1500Pack that's ideal for both home and business!!!
Central Processing Unit (CPU)....
1Mb. RAM, 2, 3.5" Floppy Disk Drives.
Sight expansion slots to take all Amiga 2000 peripherals.
Keyboard and Mouse
Plug-in keyboard with Numeric key pad. 4 cursor keys. 2 button Amiga

PLATINUM WORKS
HOME ACCOUNTS
DELUXE PAINT III
ELF - MAGIC GAME
TOKI - ANIMATED FUN
AMIGA GUIDE BOOK

without monitor£549.99
with Philips 8833 Mk II£549.99
with Commodore 1084S£799.99
KCS IBM adaptor£279.00

52Mb Quantum GVP£280.00
Commodore Cavi£440.00
120Mb Quantum GVP£440.00
Controller Card£440.00

THE ULTIMATE PACK AXE POWER PRICE INC. VAT

NEW PRODUCTS **PRINTER POWER** **NEW PRICES**

All printers come with a **FREE** printer pack containing 200 sheets of cont. A4 paper - 5 cont. envelopes - 100 cont. address labels - Amiga cable - dust cover - 1 printer driver

All Citizen printers carry a full **2 YEAR WARRANTY**

Citizen 120D 9 pin, 120 cps, NLQ, 80 col£149.99
Citizen 124D - 24 Pin Mono£209.99
Citizen SW9 Colour£220.00
Citizen SW24E Colour (NEW).....£289.99
6LQ Fonts, 180 cps DR
Star LC24/200 Colour£289.99
Hewlett Packard Deskjet 500.....£359.99
Hewlett Packard Paint Jet£699.99

PERIPHERAL POWER

Commodore A590 20Mb hard drive **LOW PRICE**£279.99
Plus extra 2Mb fitted - does **NOT** affect warranty£369.99
1Mb upgrade A500+£59.99
Unbranded disks 40 plus 40 cap lockable storage box£24.99
KCS Board£219.99
Sony branded 20 x 3.5" with Sony box - very compact£19.99
Control centre - aluminium - space for drive - monitor platform **NEW**£39.99
Rendale Genlock 8802 with **FREE** switch box£184.99
Replacement power supply£39.99
Quickjoy TOPSTAR (for professionals) - microswitches, autofire£21.99
Quickjoy JETFIGHTER - 6 microswitches - autofire - speed control - smooth£13.99
Konix Speedking - brilliant - autofire - The Best£12.99
Nintendo Super Famicom Scart Version£199.99
Sega megadrive - English or Japanese - plus great games from£129.99
Dust cover for 1500. Covers monitor, CPU & keyboard£14.99
Tilt 'n' Swivel monitor stand with position locking£17.99

EXPANSION POWER

1Mb A500 Plus expansion£59.99
3.5" external drives£54.99
Very quiet, streamline design - suits any Amiga. One-off switch, 800K formatted capacity - extra long cable. Also available in 1Mb.

512K memory expansion with clock£29.99
CBM A501 official 512K expansion£39.99

CDTV POWER **SMASH**

Includes CD player with full **INFRA-RED** control **PLUS** leads to TV and audio system **PLUS** introductory disk **PLUS** **FREE** voucher for Lemmings and Hutchinsons Encyclopaedia

AXE POWER PRICE £469.00
CD ROM available soon

Authorised dealers for Commodore, Atari, Amstrad, Citizen, Star, Panasonic, Supra, Sega, Hewlett Packard

ORDERING POWER It's so easy!

24 HOUR SALES POWER HOTLINES

081 343 0419 (6 lines)

VISA **AMERICAN EXPRESS** **Access**

HOW TO ORDER
By phone 081 343 0419
By fax It's fast 081 643 5414
By post: make cheques, bankers drafts, postal orders or building society cheques payable to

DELIVERY: UK MAINLAND ONLY. THE AXE POWER SERVICE
Next day delivery only £10.00 inc. VAT
3-5 day only £6.00
P&P under £100.00 only £2.50
P&P over £100.00 only £4.00

SPECIAL WEEKEND DELIVERY WITHIN M25 ONLY £15.00

OPENING HOURS:
Mon-Fri: 8.30am - 7.30pm
Saturday: 9.00am - 6.00pm
Sunday: (shop) open 10.00am-1.00pm

E.& O.E. Prices are correct at time of going to press, and include VAT but subject to change, as we are sometimes let down by suppliers. Call **AXE** first.

AXE DIRECT LTD Allow 5 working days for personal cheque clearance.

PRICE...POWER...PERFORMANCE

Name (Mr, Mrs, Ms) _____

Address _____

Postcode _____

Credit Card ☐ **VISA** ☐ **AMEX** Please circle Card No. _____

Signature _____ Expiry date _____

PLEASE SEND ME	PRODUCT	PRICE	QUANTITY	POWER PRICE

All products are sourced from the UK - no grey imports - SO rest easy with your official UK warranties.

Carriage _____
Total Power Price _____

ALL PRICES INCLUDE VAT

...AND GIVE YOU THE PERFORMANCE

LOWEST PRICES GUARANTEED!



CORTEX 1/2 Mb RAM EXPANSION for the Amiga A500

Essential A500 upgrade - 1Mb Amiga is now standard - Functional equivalent to A501 - Lower power 1Mbit DRAM - Latest technology high-quality components - 'Fatter Agnus' compatible for 1Mb CHIP MEM - Low profile enable/disable switch - Available with or without battery-backed clock/calendar module.

CLOCK £24.95

£19.95



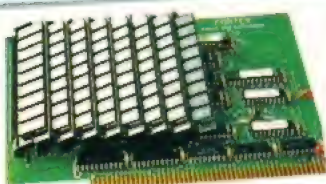
CORTEX 8Mb RAM EXPANSION for the Amiga A500/A1000/A500 plus

The **ONLY** RAM upgrade approved by Commodore UK - Fully compatible with A500 plus for 10Mb maximum RAM - External fitting (Warranty remains intact) - Through port (covered by blanking plate) - Fully implemented auto-configure - Zero wait states - Compatible with A590 and all major hard disks - Uses 1M x 8bit or 1M x 9bit SIMMs - Complete with its own power supply unit (UK, US, or EURO) - Fully A1000 compatible - RAM test software.

**2Mb
£189.00**

**4Mb
£249.00**

**8Mb
£369.00**

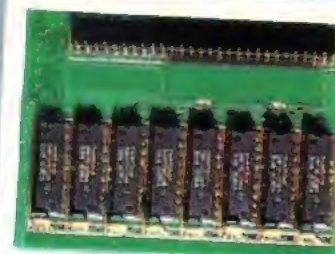


8Mb RAM EXPANSION for the Amiga A1500/A2000

Fully implemented auto-configure - Zero wait states - Uses 1M x 9bit SIMMs 2,4, or 8Mb configurations.

2Mb £169.00

4 Mb £245.00 **8 Mb £369.00**



CORTEX 1 Mb MODULE FOR A500 plus

Gives 2Mb CHIP MEM - Functional equivalent to A501 plus - Ultra low power design - Low component count for maximum reliability - Available populated to 1/2 MB or 1MB.

**1/2 Mb
£29.95**

**1Mb
£44.95**

GVP IMPACT SERIES 2 HARD DISK WITH RAM (A500HD8+)

52Mb Hard disk system with up to 8Mb of RAM - Factory-fitted Quantum Pro-drive, 11ms access - Uses 1M x 8bit SIMMs (see RAM CHIPS section for prices) - Game switch (hard drive disable) and power supply.

**52Mb
£379.00**

**105Mb
£569.00**

Other GVP products available: call for prices



EXTERNAL FLOPPY-DRIVE

High-quality silent mechanism - Through-port - Enable/disable switch.

£49.00

XETEC HARD DISKS Systems available for all Amigas INCLUDING A1000 call for prices

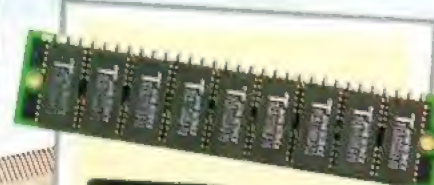
PRICE PROMISE

Cortex will match any genuine price offered by one of our U.K. competitors on goods that are in stock on a like-for-like basis. This offer applies at the time of purchase only and does not apply to prices offered in sales of bankrupt stock, clearance or closing down sales.

2 YEAR GUARANTEE

All product bearing the Cortex brand name carries a 2-year guarantee. Other products in this advertisement carry a 1 year guarantee.

All prices include VAT and postage & packaging. All products shipped same day where possible. Allow 14 days for delivery if ordering by cheque. Make cheques/P.O.'s payable to CORTEX.



ENHANCED CHIP SET (E.C.S.) UPGRADES

8372A Fatter Agnus **£45.00**

8373 Super Denise **£45.00**

MegaChip 2000 with Super Agnus (allows 2Mb to be fitted to A500/1500/2000) See 'KICKSTART ROMS' for ROM upgrade. **£199.00**

RAM CHIPS

1M x 8bit SIMMs (for Cortex, GVP etc. 2Mb. **£65.00**

256K x 4bit DIPs (for A590, 2091 ICD etc) each **£4.00**

1M x 1bit DIPs (for older A2000 cards) each **£4.00**

1M x 4bit Static-Column Mode ZIPs (for A3000) 4Mb **£199.00**



ROM SHARERS

Essential upgrade for all A500 Plus owners - Enables safe and easy switching between 1.3 & 2.04 Kickstart ROMS - Keyboard controlled switching - Has 3 ROM sockets to allow for future expansion.

£39.95

As above but with 3-position slide switch **£19.95**

KICKSTART ROMS

V1.3 ROM **£29.00**

V2.04 KICKSTART ROM **£39.00**



DEPT AS, CORTEX DESIGN & TECHNOLOGY LTD, BRITANNIA BUILDINGS,
46 FENWICK STREET, LIVERPOOL L2 7NB. • 24 HOUR SALES
TELEPHONE: 051-236 0480 24 HOUR FAX: 051-227 2482



Helping Hand

Some more desperate pleas for assistance on Amiga games are answered by **Maff Evans** and a host of helpful readers. Could your tantrums be spared in this month's Helping Hand? Read on...

In a Different Place

I was wondering – well, more praying – if you could help me. I've ground to a halt on *Another World*. I have reached level CCAL, but have been unable to get any further for two weeks. I beg of you, save another human being's sanity!

**Carl Bennett,
Scholes, Wigan**

Don't panic! Don't panic! I can help you get to the next stage, at least!

Drop down the first shaft onto the T-shaped rock. Walk off to the right and jump off the ledge on the next screen (avoiding the spikes). Run halfway onto the next screen, then quickly run a short way to the left. Turn around and watch the timing to get under the two rock-falls. Run onto the next screen until you are hidden behind the large rock. When the next two rocks hit the floor at the same time, run past and watch the timing before running past the next rock-fall.

Before you reach the tentacle monster, run up the slope to the left. Turn around, store up a big beam then blast the tentacles away (once they drop back down). Run onto the next screen and continue going right (dodging the tentacles and jumping the mouths in the floor). Blast all the tentacles and jump the mouths as you go to the right. When you get to a shaft, do two small jumps to avoid the hole and the mouth, then continue right. When you reach a dead end, blast the wall away before going back to the left. This should give you a new code.

Slash, Thud, Death

I recently purchased the games *Warzone* and *Leander*, but I can't beat the ship at the end of level four on *Warzone* and I can't get past world 2-1 of *Leander*. Please can you give me a cheat for these games?

**Andrew Black,
Coleraine, County Londonderry**

£25

I'm afraid that we don't have anything to help you out on *Warzone* (cue for flood of reader's letters supplying cheats – hint, hint), but thanks to a letter from Ramon Gerritsen in Holland, we can help with *Leander*.

If you want to have a look at the later levels without having to slog it out with the enemy all the way through, then try these codes: ZXSP for level two and LVFT for level three. Hope that saves you some bother. Thanks Ramon. A voucher is on its way.

Dead Bodies Everywhere

I have been playing *Cadaver* for two months and I am stuck on level five. I need two turquoise gems to put in a skull lock, but every time I cast Dispel Evil at one of the evil gems, the other one disappears. Can you tell me how to get two gems?

**Paul Whittney,
Bingham, Nottinghamshire**



Find yourself looking in the wrong place in *Cadaver*? Me too. Anyone with a solution had better send it in!

A few people have got in touch about *Cadaver*, mainly due to the fact that there was only a solution to the first level in the first Screenplay book. Unfortunately, that's about as far as I've got, so there isn't much I can do for you. Since this has been quite a popular query, I would be most grateful if anyone who knows a full solution (with maps if you can) to send it in to *Gamebusters*. That way I could help out all these lost and desperate adventurers.

Smarter than the Average Tips Section

I have a game called *Yogi's Great Escape* which I like, but I can't get past level three. Do you know a cheat or a way of jumping to the higher levels?

**Kathryn Roberts,
Higham, Gloucestershire**

This must be one of the youngest people ever to write to *Gamebusters*, since Kathryn is only seven years old. Unfortunately, nobody here has actually played the game, so we don't know of a cheat. If anyone thinks they can help Kathryn out, then you know what to do! Send a tip into Helping Hand.

Something Old, Something New

Can you help me by answering these questions on Rainbird's *Elite*? My game is version 2.0, with a release date of 18/7/91 printed on the disk. The game seems to work OK, but I have a few problems:

- 1 I can't get out of *Witch Space*. On the BBC version it was possible. Any suggestions?
- 2 I have played the game right up to dangerous level, but I have had no messages about missions. Can you tell me whether there are any?
- 3 In a previous *Gamebusters*, you mentioned a cloaking device. How do I get this?
- 4 It is possible to buy retro rockets. Unfortunately, the manual appears to be the same as the BBC manual (with a few picture changes) and so makes no mention of these.
- 5 I have noticed that Rainbird have an advanced version of *Elite* on the PC. Is this going to appear on the Amiga?

**John Westerman,
Cleckheaton, West Yorkshire**

Quite a few questions, that's true! Let's take them one at a time:

- 1 *Witch Space* is a bit tougher on the Amiga version, since this is aimed to make missions a lot more difficult. For this reason, you may find yourself trapped.
- 2 The missions are totally independent of your rating. You are given missions when you arrive at certain locations after a specific time. Keep plugging away – they are there!
- 3 The cloaking device is an expensive item that can only be found on planets with a high tech-level. They are useful, so keep trying to visit advanced planets with pockets full of dosh.
- 4 The manual I've seen for the Amiga version is quite different to the original BBC draft. You'd better check with the publishers for that!
- 5 A new version of *Elite* is under production (nominally titled *Elite Plus*), but it won't be available until at least the latter part of the year.

What? The end of the page already? Well it looks like we'll have to wrap it up for this month. One last note: if you've got a problem that is a bit too complicated for Helping Hand, then have a look at page 109 to see if the new Screenplay book can help you. If it looks interesting and you want to find out more, then give us a ring on a Tuesday. Maff Evans will no doubt try and get you to buy a copy!

See you next month for some more hot tips.

If you're stuck on a particular game or have a solution to a letter printed in the magazine, then write it down and send it in to us at **HELPING HAND**
Amiga Format, 30 Monmouth Street, Bath BA1 2BW

DUE TO MASSIVE STOCKS

£100,000
of items must go!

We have the following computer products for DISPOSAL before Easter

BULK 3 1/2" DISKS

SONY/ MITSUBISHI DSD D BULK

50's	45p each	£22.50
100's	43p each	£43.00
400's	41p each	£164.00
800's	39p each	£312.00
1000's	37p each	£370.00

DSD D

50's	37p each	£18.50
100's	36p each	£36.00
400's	33p each	£132.00
800's	30p each	£240.00
1200's	29p each	£348.00

Large or small users - we have the prices for you!

3 1/2" DSHD Konica made in Japan from 60p.

3.5" disks from 30p inc. VAT

All disks are PIN numbered and carry a 100% quality control/no quibble guarantee. Disk labels supplied.

BRANDED 3 1/2" DISKS

Sony DSD D 135 TPA	£7.00 per box
Sony DSHD 135 TPA	£16.00 per box

Phone for price on larger quantities

STORAGE BOXES

3.5" (10 capacity box) "Simpak"	£0.95 each
3.5" (10 capacity box) see-through "Vision 10"	£1.00 each
3.5" (40 capacity box) lockable disk storage box	£3.50 each
3.5" (50 capacity box) lockable disk storage box	£3.95 each
3.5" (80 capacity box) lockable disk storage box	£4.30 each
3.5" (100 capacity box) lockable disk storage box	£4.95 each

STACKABLE BOXES

3.5" "POSSO" stackable box (holds 150)	£15.99
3.5" "BANX" lockable/stackable (holds 80)	£8.95
3.5" (250 capacity) lockable/stackable box	£24.95

All disk boxes are anti-static, Amiga beige, contain keys, dividers and rubber feet (with the exception of 10's)

DISKETTE BOX OFFERS

3.5" 40 cap box comes with 25 3.5" diskettes	£12.50
3.5" 100 cap box comes with 50 3.5" diskettes	£22.95

3.5" DISK LABELS

Roll of 1000 3.5" labels	£6.95 per roll
Roll of 1000 3.5" Tractor Feed labels	£8.95
Roll of 1000 3.5" multicolour (4) labels	£7.95

MICE/SCANNERS

Amiga mouse, two button fully compatible as replacement	£13.95
Naksha mouse inc. 2 year warranty, mouse mat and mouse bracket Operation Stealth (worth £24.99) Free	£24.95
Naksha scanner	£99.00

DISK DRIVES

3.5" ext. disk drive, throughport connector, on/off switch, 1 year guarantee, slimmest drive in the world	£50.00
CUMANA DISK DRIVE 3.5" ext. disk drive, throughport connector, on/off switch, 1 year warranty	£54.95
Telephone for hard drive prices	

AMIGAS

Cartoon Classics 1Mb (500+)	£349.95
A1500	ONLY £575.00

MONITORS

Philips 8833 II	£224.95
Commodore 1084S monitor	£239.95
Philips 15" TV/Monitor	£249.95

NEW PRODUCTS

Roboshifts (auto joystick/mouse switcher)	£14.95
Quickjoy foot pedal (use your feet to control the action as well as hands!)	£19.95
Quickjoy Megastar joysticks (the latest see-through controller)	£19.95
Amiga connection cables (Scart etc.)	£9.95

THIS MONTH'S SPECIAL OFFERS

FREE FREE FREE FREE FREE FREE FREE

WITH ANY ORDERS OVER £15.00 FREE 10 CAPACITY LIBRARY BOX

WITH ANY ORDERS OVER £25.00 FREE UNIVERSAL DUST COVER

FREE FREE FREE FREE FREE FREE FREE

PRINTER RIBBONS

	Qty 1	Qty 5	Qty 10
Star LC24-10 Mono	£3.90	£3.70	£3.20
Amstrad DMP 2000/3000	£2.90	£2.50	£2.20
Amstrad DMP 4000	£3.90	£3.60	£3.20
Amstrad PCW 8256/8512	£3.50	£3.20	£3.00
Amstrad PCW 9512	£2.90	£2.60	£2.20
Brother HR15/20/25/35	£2.50	£2.30	£2.15
Brother M1002/1109	£3.90	£3.60	£3.20
Citizen 120D/LSP10	£2.90	£2.70	£2.40
Citizen Swift 8/24 mono	£3.90	£3.50	£3.20
Commodore MP3803	£2.90	£2.70	£2.20
Commodore MPS1500/1200	£5.50	£5.20	£4.90
Commodore MPS1230	£4.90	£4.50	£4.10
Epson LQ400/500/800	£3.90	£3.50	£3.20
Epson MX/FX80/85/800	£2.90	£2.70	£2.40
Epson FX100/105/1000	£3.60	£3.40	£3.10
Epson LX80/88	£2.90	£2.70	£2.30
Panasonic KXP1124	£3.90	£3.50	£3.20
Panasonic KXP 1080/81/82	£3.90	£3.70	£3.20
Star LC10	£2.90	£2.70	£2.40
Star LC10 4 colour	£5.90	£5.30	£5.00
Star LC24-200 mono	£3.90	£3.70	£3.20

Please note that this is just a small selection of our large range
Telephone (0827) 50000 for pricing on other ribbons not listed

PRINTERS

Star LC20	£139.95
Star LC200 colour	£189.95
Star LC24/200 colour	£279.95
Citizen 120D	£119.95
Citizen Swift 9 colour	£175.00
Citizen Swift 24 colour	£269.95

LISTING PAPER

11 x 9.5 single part plain micro perf.	
500 sheets	£4.95
1000 sheets	£8.95
2000 sheets	£16.95
4000 sheets	£30.00

Please call for multi part, pre printed and fax rolls

RAM UPGRADES

1/2Mb upgrade without clock	£26.95
1/2Mb upgrade with clock	£28.95
1Mb megaboard	£69.95

All upgrades are fully compatible with A500 Plus

ACCESSORIES

Philips CM833/1084 dust cover	£4.95
Printer stands (80 col)	£5.50
Printer stand with tray (80 col. 132 col.)	£6.95
4 Player adaptor	£4.95
Data switches (2-way serial or parallel)	£12.95
Mouse/joystick extension	£3.95
A4 desk top holder	£7.90
Mousemats red, blue, grey deluxe	£2.00
2 metre joystick extension	£3.95
Mouse brackets	£1.95
Amiga printer leads	£4.95
3.5" cleaning kits	£1.95
Amiga dust covers	£2.95
Star LC10/2410/24 200 dust cover	£4.95
Grip Clip copy holder	£3.95
Copy holder metal arm	£9.95
14" monitor stand (tilt 'n' turn)	£9.95
Ribbon Re-ink	£12.95
Monitor Cables (any type)	£9.50

STARTER PACKS

Pack comprises of mousemat, dust cover, mouse bracket, 3.5" cleaning kit, 10 capacity library box
ONLY £9.95

BAGS

Sega Megadrive bag	£19.99
Atari Lynx bag	£11.99
Game Boy bag	£9.99
Game Gear & PC Engine bag	£10.99

JOYSTICKS

Quickshot Apache	£5.99
Quickshot III Turbo new microswitch	£8.95
Quickshot 128F Maverick new microswitch	£12.99
Quickjoy Supercharger microswitch	£9.95
Quickjoy Megastar	£18.95
Quickshot II Turbo	£7.95
Quickshot III Turbo	£8.95
Competition Pro Colour	£9.95
Quickjoy Topstar	£23.95
Quickjoy Jetfighter	£13.99
Cheetah 125+	£8.85
Quickshot 127 infra red remote	£29.95
Quickshot Flightgrip	£7.99
Zipstick autofire	£10.99

BOOKS

TOP TEN AMIGA TITLES

Amiga Format Bk. Dk. Package ... £13.95 + V.A.T = £14.52	
Amiga Format Get Most From	£9.95
Screen Play Amiga Format	£9.95
Amiga For Beginners	£15.45
Amiga BASIC Inside & Out	£22.95
Amiga Machine Language	£18.45
Amiga DOS	£14.95
Best Amiga Tips & Tricks Bk. & Dk. £27.45 + VAT = £27.93	
Master Amiga DOS 2 vol. 1	£21.95
Mastering Amiga C	£19.95

ANY OTHER TITLES NOT LISTED CAN BE ORDERED,

EURO MEDIA DISTRIBUTION COMPANY LTD

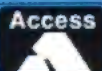
Dept. AF; 12 Amber Business Village, Amber Close, Tamworth, Staffs, B77 4RP.

Telephone: (0827) 50000

Fax for instant response on: (0827) 60976

or ring (0831) 471312 (mobile after 6pm)

To order make cheques/P.O.'s payable to E.M.D. Ltd and send to above address. (Cheques will be held for clearance and prices may change without notice). Corporate, education and trade accounts welcome.



All prices include 17.5% VAT

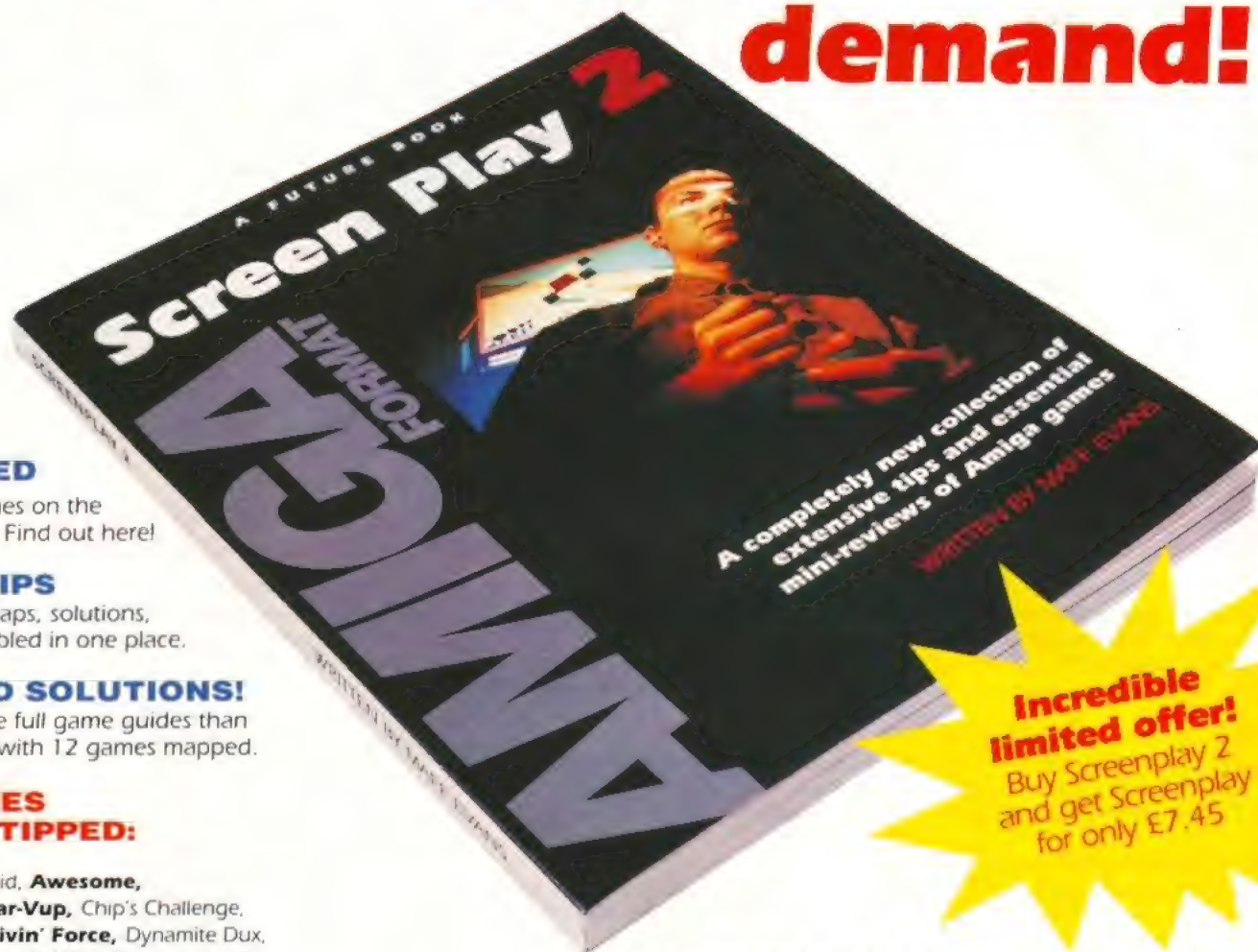
POSTAGE £3.95 - NEXT DAY CARRIER £8.95





GET TO GRIPS WITH GAMES!

The ultimate games guide is back by popular demand!



OVER 100 GAMES REVIEWED

Want to know the top games on the Amiga, both new and old? Find out here!

180 PAGES OF TIPS

The biggest collection of maps, solutions, cheats and tips ever assembled in one place.

MORE MAPS AND SOLUTIONS!

Screen Play 2 features more full game guides than any book ever has before, with 12 games mapped.

ALL THESE GAMES REVIEWED AND TIPPED:

Archipelagos, **Atomic Robokid**, **Awesome**, **Back to the Future II and III**, **Car-Vup**, **Chip's Challenge**, **Chuck Rock**, **Crackdown**, **Drivin' Force**, **Dynamite Dux**, **E-Motion**, **Empire Strikes Back**, **ESWAT**, **Ghostbusters 2**, **Ghosts 'n' Goblins**, **Gremlins 2**, **Hammerfist**, **Horror Zombies**, **The Immortal**, **Ivanhoe**, **Kid Gloves**, **Killing Game Show**, **LED Storm**, **Line of Fire**, **Llamatron**, **Lotus Esprit Turbo Challenge**, **Manic Miner**, **Midnight Resistance**, **Monty Python's Flying Circus**, **Narc**, **Ninja Spirit**, **Nitro**, **Operation Thunderbolt**, **Predator 2**, **Robocop 2**, **Saint Dragon**, **SCI**, **Shadow Warriors**, **Skidz**, **Spherical**, **Spy Who Loved Me**, **SWIV**, **Teenage Mutant Hero Turtles**, **Toki**, **Turrican**, **Turrican 2**, **Virus**, **Viz**, **Z-Out**.

PLUS FULL SOLUTIONS FOR:

Cruise for a Corpse, **Dragons Lair II**, **Fantasy World Dizzy**, **Indiana Jones III**, **Leisure Suit Larry**, **Maniac Mansion**, **Rick Dangerous 2**, **Rise of the Dragon**, **Search for the King**, **Secret of Monkey Island**, **Time Machine**, **Treasure Island Dizzy**, **Wonderland**

AND ALSO EXTENSIVE PLAYERS' GUIDES FOR:

Armour-Geddon, **Battle Command**, **Captive**, **Carrier Command**, **Deuterios**, **Dragons Breath**, **Eye of the Beholder**, **Full Contact**, **Gods**, **Hero Quest**, **Indianapolis 500**, **James Pond**, **Lemmings**, **Mean Streets**, **Pang**, **Prince of Persia**, **Speedball 2**, **Spindizzy Worlds**, **Supercars 2**, **Warhead**

**Incredible
limited offer!**
Buy Screenplay 2
and get Screenplay
for only £7.45

Costing only £9.95 The ultimate guide to Amiga games has been succeeded by an heir.

Maff Evans has spent months putting together a brand new collection of top tips, helpful hints and informative reviews.

ORDER FORM

I would like to order ____ copy/copies of
SCREENPLAY 2

at the price of **£9.95 (+1.45 per copy P&P)**

I would like to order ____ copy/copies of
or SPECIAL LIMITED PERIOD OFFER
both SCREENPLAY1 and SCREENPLAY 2

at the price of **£17.40 (+1.45 per copy P&P)**

Please send payment with this order form in a
sealed envelope to:

AMIGA FORMAT SCREENPLAY 2 Book
FREEPOST
Future Publishing Ltd
Somerton, Somerset TA11 7BR

No stamp required if posted in the U.K.

Please allow 28 days for delivery.

Name _____

Address _____

Post Code _____

Telephone _____

I enclose cheque/PO for £ _____

Please debit my Access/Visa card: (delete if appropriate)

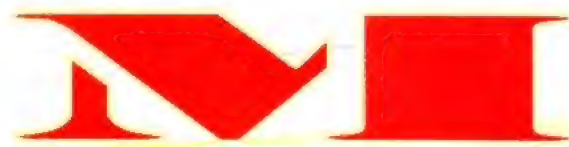
My card no. is _____

Expiry date _____

Signature _____

OR Phone our credit card hotline 0458 74011

ACTI



THE WORLDS CARTRIDGE IS

NOW WITH
A

JUST LOOK AT THE UNMATCHED RANGE OF FEATURES

● SAVE THE ENTIRE PROGRAM IN MEMORY TO DISK

Special compacting techniques enable up to 3 programs to fit on one disk. Now saves directly to disk as Amiga Dos - reloads independently of the cartridge - even transfer to hard drive! Works with up to 2 Megs of Ram - even 1 Meg Chip Mem (Fatter Agnus).

NEW

● SUPER POWERFUL TRAINER MODE -

now with DEEP trainer. Even better than before - allows you to generate more or even infinite lives, fuel, ammo. Perfect as a Trainer Mode to get you past that "impossible" level. Easy to use.

● IMPROVED SPRITE EDITOR

The full Sprite Editor allows you to view/modify the whole sprite set including any "attached" sprites. PLUS A RANGE OF IMPROVED FEATURES.

● VIRUS DETECTION

Comprehensive virus detection and removal features to protect your software investment. Works with all presently known viruses.

NEW

● BURST NIBBLER.

Now this super disk copier program is built into Action Replay Mk III. Just imagine a superfast, efficient disk copier program at the press of a key - no more waiting.

● SAVE PICTURES AND MUSIC TO DISK

Pictures and sound samples can be saved to disk. Files are saved directly in IFF format suitable for use with all the major graphic and music packages. Samples are displayed as screen waveform.

NEW

● PAL or NTSC MODES SELECTABLE -

Useful for removing ugly borders when using NTSC software. (Works only with newer Agnus chips).

NEW

● MANY MORE INSTANT CLI COMMANDS -

like Rename, Relabel, Copy, etc.

● SLOW MOTION MODE

Now you can slow down the action to your own pace. Easily adjustable from full speed to 20% speed. Ideal to help you through the tricky parts!

● RESTART THE PROGRAM

Simply press a key and the program will continue where you left off.

● FULL STATUS REPORTING

At the press of a key now you can view the Machine Status, including Fast Ram, Chip Ram, RamDisk, Drive Status, etc.

● POWERFUL PICTURE EDITOR

Now you can manipulate and search for screens throughout memory. Over 50 commands to edit the picture plus unique on screen status "overlay" shows all the information you could ever need to work on screens. No other product comes close to offering such dynamic screen handling of frozen programs!!

NEW

● JOYSTICK HANDLER -

allows the user to select Joystick instead of Keypresses - very useful for many keyboard programs.

● MUSIC SOUND TRACKER

With Sound Tracker you can find the complete music in programs, demos, etc. and save them to disk. Saves in format suitable for most track player programs. Works with loads of programs!!

● AUTOFIRE MANAGER

From the Action Replay III preference screen you can now set up autofire from 0 to 100%. Just imagine continuous fire power? Joystick 1 and 2 are set separately for that extra advantage!

NEW

● IMPROVED RAM EXPANSION SUPPORT.

Now many more external Ram Expansions will work with all Action Replay III commands.

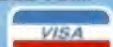
HOW TO GET YOUR ORDER FAST!

TELEPHONE [24Hrs] **0782 744707** CREDIT CARD ORDERS

ORDERS NORMALLY DISPATCHED WITHIN 48 Hrs. ALL CHEQUES/POSTAL ORDERS MADE PAYABLE TO....



DATEL ELECTRONICS LTD.



GOVAN ROAD, FENTON INDUSTRIAL ESTATE, FENTON, STOKE-ON-TRENT, ST4 2RS, ENGLAND.

FAX 0782 744292 TECHNICAL/CUSTOMER SERVICE 0782 744324



ON REPLAY



**MOST POWERFUL FREEZER-UTILITY
NOW EVEN BETTER!!**

**STILL ONLY
£59.99**

**MASSIVE 256K OPERATING SYSTEM IN ROM OFFERING
A WHOLE NEW RANGE OF MK III FEATURES**

**AMIGA ACTION REPLAY SIMPLY PLUGS INTO THE EXPANSION PORT OF
YOUR AMIGA AND GIVES YOU THE POWER TO FREEZE MOST ANY PROGRAM**

● **DOS COMMANDS**

Now you have a selection of DOS commands available at all times - DIR, FORMAT, COPY, DEVICE, etc.

NEW

● **FILE REQUESTOR**

If you enter a command without a filename, then a file requestor is displayed.

● **DISK COPY**

Disk Copy at the press of a button - faster than Dos Copy. No need to load Workbench - available at all times.

● **BOOT SELECTOR**

Either DF0 or DF1 can be selected as the boot drive when working with Amiga Dos disks. Very useful to be able to boot from your external drive.

NEW

● **PLUS IMPROVED DEBUGGER COMMANDS** - including Mem Watch Points and Trace.

● **DISKCODER**

With the new "Diskcoder" option you can now 'tag' your disks with a unique code that will prevent the disk from being loaded by anyone else. 'Tagged' disks will only reload when you enter the code. Very useful for security.

NEW

● **SET MAP**

allows you to Load/Save/Edit a Keymap.

● **PREFERENCES**

Action Replay III now has screen colour preferences with menu setup. Customise your screens to suit your taste. Very simple to use.

● **DISK MONITOR**

Invaluable disk monitor - displays disk information in easy to understand format. Full modify/save options.

NEW

● **IMPROVED PRINTER SUPPORT**

including compressed/small character command.

PLUS A MACHINE CODE FREEZER MONITOR WITH EVEN MORE POWER!!

MORE FEATURES INCLUDING 80 COLUMN DISPLAY AND 2 WAY SCROLLING...

- Full M68000 Assembler/Disassembler
- Full screen editor
- Load/Save block
- Write String to memory
- Jump to specific address
- Show Ram as text
- Show frozen picture
- Play resident sample
- Show and edit all CPU registers and flag
- Calculator
- Help command
- Full search feature
- Unique Custom Chip Editor allows you to see and modify all chip registers - even write only registers!
- Notepad
- Disk handling - show actual track, Disk Sync. pattern etc.
- Dynamic Breakpoint handling
- Show memory as HEX, ASCII, Assembler, Decimal
- Copper Assemble/Disassemble - now with suffix names

**REMEMBER AT ALL TIMES YOU ARE INTERROGATING THE PROGRAM IN IT'S
"FROZEN" STATE WITH ALL MEMORY AND REGISTERS INTACT
- INVALUABLE FOR DE-BUGGING OR JUST THE INQUISITIVE!**

AUSTRALIAN DISTRIBUTOR

Macro-Soft

29 Lasscock Avenue,
Lockleys, S. A. 5032
Telephone (08) 234 5050
Fax (08) 352 8305

UPGRADE INFORMATION

OWNERS OF AMIGA ACTION REPLAY MK II CARTRIDGE
CAN UPGRADE TO THE NEW MK III VERSION BY
RETURNING THEIR OLD CARTRIDGE PLUS £39.99
INCLUDING POSTAGE, PACKAGING AND HANDLING.
PLEASE CLEARLY MARK THE OUTSIDE OF YOUR PACKAGE
"ACTION REPLAY UPGRADE"

WARNING 1988 COPYRIGHT ACT WARNING

Datel Electronics Ltd., neither condones or authorises the use of its products for the reproduction of copyright material.
The backup facilities of this product are designed to reproduce only software such as Public Domain material.
The users own programs or software where permission to make backups has been clearly given. It is illegal to make copies, even for your own use, of copyright material, without the clear permission of the copyright owner, or the licensee thereof.

VIDEO DIGITIZER II



ONLY
£89.99

NOW YOU CAN DIGITIZE PICTURES FROM ANY VIDEO CAMERA OR VCR

- Completely newly designed interface that plugs into the expansion connector of the Amiga 500 or internal connector of the Amiga 2000.
- Standard phono video input 0.5 to 2.0 volts to take signals from TV, video or camera.
- Control brightness, contrast and throughport on A500 version.
- Frame grab in 1/50 second, record update up to 3 frames per second.
- Single or continuous update in 4, 8 or 16 grey levels.
- Play frames backwards or forwards up to 15 frames per second.
- Save Raw, IFF or sequence files.
- Automatically adjust for maximum number of frames according to memory available.

- Display 256 x 256 pixels, but optional 320 x 256 IFF Save.
- Screen editing features Cut, Copy, Brush, Paste and Undo. Effects menu to reverse pos/neg, compress, etc.
- Second display editor controls sequence production: Record, Play, Insert, Clear, Delete Frames.
- Set start and end position number of frames saved, number frames, step backwards and forwards, loop, etc. Time lapse feature adjustable in 1 second increments to 1 hour between each frame. Ideal for capturing flowers opening, sky movements, special effects, etc.
- Separate player programs included to insert into your own program disks. Hard disk transfer program.
- Please state A500 or 2000 version when ordering.



ONLY £79.99

ONLY £149.99

NOW WITH FULL COLOUR — OPTION —

**WITH THE ADDITION OF THE RGB SPLITTER,
TO THE VIDEO DIGITISER II YOU CAN OBTAIN
COLOUR IMAGES IN ONLY 1 SECOND!!**

- The Splitter unit plugs alongside the Digitiser and a lead is supplied to couple the two units together.
- Full adjustment of Red, Green and Blue signals together with a saturation control enabling you to take full control over any image.
- The Splitter is switched in software and comes complete with Digitiser Colour Software.
- You can select single continuous colour or B/W input. Files can be saved in Raw 4096 colour format, 8 or 32 colour IFF files or 16 shade B/W IFF.
- Features include full palette control editing of frame and colour retouch calculator.
- Input from camera, camcorder or video recorder (paused). No more messing with colour filters.

HOW TO GET YOUR ORDER FAST!

TELEPHONE [24Hrs] **0782 744707** CREDIT CARD ORDERS

ORDERS NORMALLY DISPATCHED WITHIN 48 Hrs. ALL CHEQUES/POSTAL ORDERS MADE PAYABLE TO....



DATEL ELECTRONICS LTD.



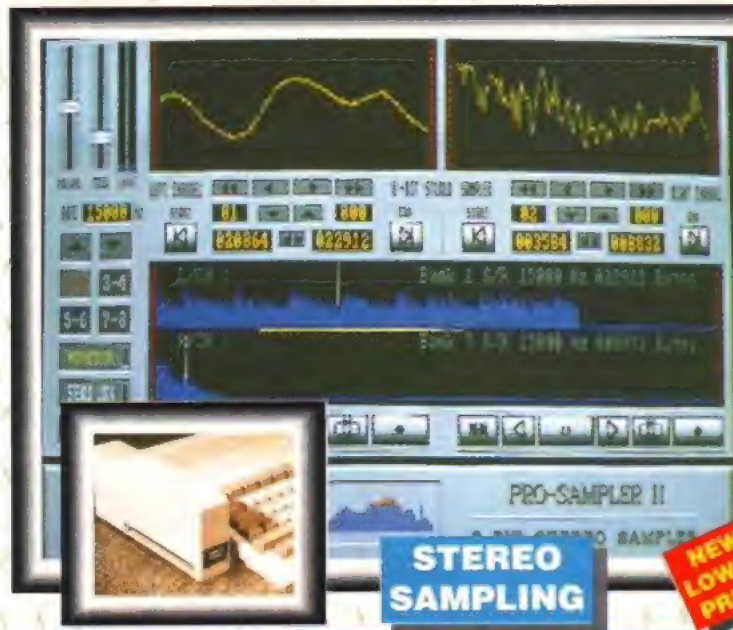
GOVAN ROAD, FENTON INDUSTRIAL ESTATE, FENTON, STOKE-ON-TRENT, ST4 2RS, ENGLAND.

FAX 0782 744292 TECHNICAL/CUSTOMER SERVICE 0782 744324

A/F VIDIGI

DATEL
Electronics

L i m i t e d



AMIGA PRO SAMPLER STUDIO II + DATEL JAMMER

- New design hardware now plugs into expansion socket of A500 completely freeing the parallel port.
- Save files in Raw or single, multi-octave IFF format.
- Surface mount technology, twin A/D converters for realtime stereo sampling.
- Extensive filters for extremely clean and noise-free sampling.
- Through bus allows existing add ons, e.g. hard drive.
- The NEW Sampler II software has been completely re-written in 100% Machine Code and incorporates faster routines, bigger displays and many new editing features such as Cut, Copy, Insert, Replace, Mix, Erase, etc.
- Stereo lock control.
- Separate zoom windows and controls for left and right channels.
- Multi-bank facilities for 1 Meg users.
- Adjustable trig record level and sound monitor.
- Separate buffer for editing waveforms and improved wave-editor with instant update.
- Envelope control panel for ramping up and down re-scale amplitude, noise filter and scan waveform.
- On screen display of filenames sample rate, length, etc.
- Inputs for microphone or line 1/4" jack and DIN connections at rear of unit.

**STEREO
SAMPLING**

**NEW
LOWER
PRICE**

NOW ONLY £49.99 COMPLETE (A500)
INTERNAL 2000/1500 VERSION ALSO AVAILABLE



ONLY £59.99

IF NEXT DAY COURIER DELIVERY IS
REQUIRED THEN PLEASE ADD £5

CUMANA CAX 354 3.5" DISK DRIVE

- Legendary Cumana quality now at an extremely low price!
- Throughport allows daisy-chaining with other disk drives.
- A full 1 meg of unformatted capacity (880K fully formatted).
- A good length of cable is provided for convenient positioning on your desk etc.
- High precision head positioning.
- On/Off switch.
- Extremely quiet and click free operation.

NEW MINI SAMPLER



- A top quality 8 bit mono sampler complete with Pro Sampler and Jammer software.
- Also compatible with most other PD Sampler software.
- Inputs for microphone or line 3.5mm jack and din connections.
- Utilises latest surface mount technology and incorporates all the features found on bigger, more expensive samplers.
- Easy to use - just plug in and start sampling!

ONLY £24.99
COMPLETE PLEASE STATE
A500/1000/2000/1500

MICROMIDI



- Fully compatible Midi Interface for A500/2000.
- MIDI In - MIDI Out - MIDI Thru.
- Fully Opto isolated.

**NEW
LOWER
PRICE**

NOW ONLY £14.99

512K RAM CARD



**NEW
LOWER
PRICE**

- If you can obtain your own Ram chips, we can supply the card.
- Accepts 16 x 41256 D Rams.
- Available with/without clock option.
- Switch disable feature.

NOW ONLY £9.99
CLOCK VERSION £14.99

N.B. THESE PRICES DO NOT INCLUDE RAM CHIPS.

MIDIMASTER



- Midi In - 3 x Midi Out & Midi Thru.
- Full Midi Interface for A500/1000/2000 (please state which model req.).
- Compatible with all leading Midi packages (In D/Music).
- Fully Opto isolated.

**NEW
LOWER
PRICE**

NOW ONLY £19.99
INCLUDING 2 FREE MIDI CABLES

INTERNAL MIDI INTERFACE FOR 2000,1500

- Now an internal interface for the Amiga 2000 and 1500.
- Easily fitted in minutes.
- Leaves serial port free for other uses.
- Midi In, 3 x Midi Out and Midi Thru.
- Fully compatible - Opto isolated.

ONLY £29.99
INC. 2 FREE MIDI CABLES

NOW YOU CAN PRINT OUT YOUR PICTURES IN FULL COLOUR!

- The Star LC200 Colour Printer not only prints in Near Letter Quality for your regular jobs but also prints out your pictures in genuine colour!
- No more to buy - just plug in and print!
- Comes complete with printer lead.



NOW ONLY £229.00

GENIUS MOUSE

- High quality direct replacement for mouse on all Amigas.
- Teflon glides for smoother movement.
- Rubber coated ball for minimum slip.
- Optical system counting - 500/mm.



Special offer - FREE Mouse Mat + Mouse House (worth £7.99)

NOW ONLY £19.99 COMPLETE

**NEW
LOWER
PRICE**



HOW TO GET YOUR ORDER FAST!

TELEPHONE [24Hrs] **0782 744707** CREDIT CARD ORDERS
ORDERS NORMALLY DISPATCHED WITHIN 48 Hrs. ALL CHEQUES/POSTAL ORDERS MADE PAYABLE TO...



DATEL ELECTRONICS



GOVAN ROAD, FENTON INDUSTRIAL ESTATE, FENTON, STOKE-ON-TRENT,
ST4 2RS, ENGLAND. FAX 0782 744292 TECHNICAL/CUSTOMER SERVICE 0782 744324

DATEL LONDON SHOP



222, TOTTENHAM COURT RD,
LONDON, W1. Tel 071 580 6460

GENIUS DIGITIZING TABLET

£129.⁹⁹

COMPLETE FOR THE

AMIGA

ADD A
PROFESSIONAL
TOUCH TO YOUR
DRAWING / CAD
WORK



- Full easy to follow instructions.
- This is the input method used on professional systems - now you can add a new dimension to graphics/CAD.
- Fast input of drawing by "tracing" is made easy - plus "absolute reference" means you can move around the screen many times faster than by a mouse.
- The Genitizer fits in the serial port of your Amiga 500/1000/2000 and "co-exists" with mouse.
- Unlike a mouse, the Tablet gives absolute co-ordinates so that tracking and menu selections are possible from the tablet face.
- A pressure sensitive switch built into the stylus tip activates the Tablet overriding the normal mouse input. When you are not using the Tablet, you have normal mouse control.
- Complete system - Graphics Digitizer Tablet, Stylus, Deluxe Paint Template, Power Adaptor, Test Software, Interface Unit, plus Driver Program - no more to buy!

- With the Amiga Genitizer Graphics Tablet you can streamline the operation of most graphic or CAD programs.
- The Genitizer Graphics Tablet utilises latest technology to offer up to 100 dpi resolution at the tip of a stylus.
- Complete 9" x 6" digitizing area plus super accurate stylus combine to enable fast, accurate and easy control.
- Works by "mouse emulation" so the Genitizer will work with most packages where mouse input is the usual method - Deluxe Paint, Photon Paint, CAD Packages, etc. etc.
- Supplied with a template for Deluxe Paint.



OPTIONAL PUCK
As an alternative to the stylus input the Genius Tablet also has an optional four button puck. Ideal for tracing etc.
ONLY £29.99

DATEL
Electronics

HOW TO GET YOUR ORDER FAST!

TELEPHONE [24Hrs] **0782 744707** CREDIT CARD ORDERS

ORDERS NORMALLY DISPATCHED WITHIN 48 Hrs. ALL CHEQUES POSTAL ORDERS MADE PAYABLE TO...



DATEL ELECTRONICS



GOVAN ROAD, FENTON INDUSTRIAL ESTATE, FENTON, STOKE-ON-TRENT,
ST4 2RS, ENGLAND. FAX 0782 744292 TECHNICAL/CUSTOMER SERVICE 0782 744324

DATEL LONDON SHOP



222, TOTTENHAM COURT RD,
LONDON, W1P 9AF.

A TOP QUALITY 400 DPI HANDY SCANNER AT A TRULY UNBEATABLE PRICE!!

DATEL



STILL ONLY
£129.99
COMPLETE HARDWARE/SOFTWARE

SCANNING COULDN'T BE SIMPLER...

NEW

IFF Buffer Save 1600 x 1024 pixels, dual buffer, scan matching and view Buffer.

- Unmatched range of edit/capture facilities and keyboard control simply not offered by other scanners at this unbeatable price.

NEW

Full keyboard control of most functions.

- An easy to handle Handy Scanner featuring 105 mm scanning width and 400 dpi resolution enables you to scan graphics and text into your Amiga.

NEW

Includes hard disk transfer to run under Workbench.

- Adjustable switches for brightness/contrast levels.

NEW

Screen grid overlay and configure menu to save parameters.

NEW

Full sizing menu of scan area.

- Geniscan gives you the ability to easily scan images, text and graphics and even offers 200Dpi Dual Scan Mode.

NEW

X, Y position readout and metric sizes.

- Save images in suitable format for most leading packages including PHOTON PAINT, DELUXE PAINT, etc.

NEW

View window and position control panel.

- Package includes Handy Scanner, Interface, Power Pack and Scan Edit IV software.

NEW

Icon menu to select functions.

- Powerful partner for DTP that allows for cut and paste editing of images etc.

NEW VERSION IV SOFTWARE

COMES WITH FREE PHOTON PAINT

- Comes complete with Photon Paint Illustrator Software.
- Huge range of features.
- Top selling graphics package.

GOLDEN IMAGE OPTICAL REPLACEMENT MOUSE

... NOW A TRUE OPTICAL MOUSE! FOR THE AMIGA

• YES A FULL FEATURE OPTICAL MOUSE FOR YOUR AMIGA - THAT MEANS NO MOVING PARTS!

- Incorporating full optical tracking and counting - no ball so no problems with clogging, slipping, etc.
- High count output for very fine movement.
- Two button microswitch action.
- Direct replacement for all Amigas.
- Comes complete with special "Optical Pad".
- Superbly styled - supersmooth shape moulded to fit the hand.
- Comes complete with moulded 9 pin connector.



No more to buy!!

**COMPLETE
ONLY £39.99**

DATEL

Electronics

HOW TO GET YOUR ORDER FAST!

TELEPHONE (24Hrs) **0782 744707** CREDIT CARD ORDERS

ORDERS NORMALLY DISPATCHED WITHIN 48 HRS. ALL CHEQUES/POSTAL ORDERS MADE PAYABLE TO...



DATEL ELECTRONICS



GOVAN ROAD, FENTON INDUSTRIAL ESTATE, FENTON, STOKE-ON-TRENT,
 ST4 2RS, ENGLAND. FAX 0782 744292 TECHNICAL/CUSTOMER SERVICE 0782 744324

A/F SCAN 2

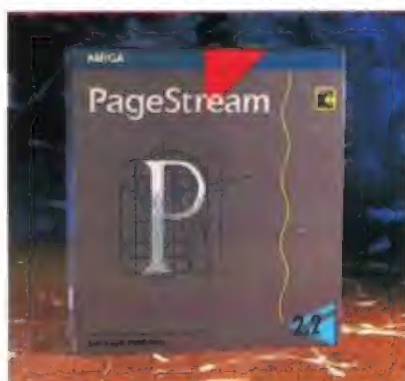
DATEL LONDON SHOP



222, TOTTENHAM COURT RD,
 LONDON, W1. Tel 071 580 6460

PAGESTREAM 2.2

£199.95 SOFT-LOGIK VIA SILICA 081-309 1111



The serious end of the DTP market is about to get even more serious. Gold Disk's *Professional Page*, which we have always found comes out tops in practical use, is about to be released in its third version. But it will face extraordinarily stiff competition from this latest version of *Pagestream*, always *Professional Page*'s closest competitor.

The new *PageStream* has been available in America for a while and has received rave reviews, many of which reckoned it has stolen the number-one spot. Certainly it's packed with genuinely professional features, including very advanced text handling, full Postscript printer support and full process colour separation. As for how it compares with *Professional Page 3*, we'll have to wait until next issue to find out, when we'll be testing both to the death.

PRESENTATION MASTER

£234.99 OXXI VIA SILICA 081-309 1111

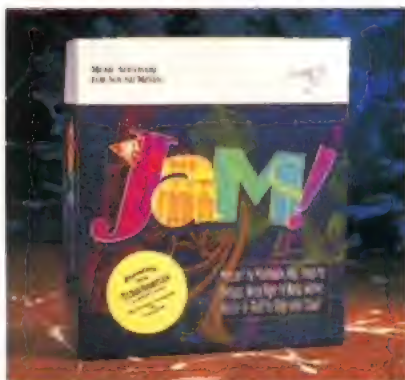


This opens up a field of Amiga use which has as yet not been properly explored or catered for. It's designed to be used to produce slides for business presentations, although the range of uses, as ever with an essentially creative package, could be very wide, from school use to helping create effective talks for clubs, societies and the like.

It's basically a 24-bit graphical presentation system, combining a titling and paint package with the ability to produce charts, graphs and diagrams. It includes an object-orientated paint system and outline fonts, so both pictures and text can be scaled with no loss of clarity, and it can output full Postscript. It also lets you sequence slides into a full Amiga-based presentation. As ever with a new way of using old techniques, it will need next month's full review to explain properly how the whole lot integrates, and how well it succeeds.

SUPERJAM

£99 BLUE RIBBON BAKERY VIA ZONE 081-766 6564



Another radical new departure in simplifying computer music from the company who created *Bars and Pipes*, the unique graphic sequencer. The exciting idea behind *SuperJam* is that it is aimed at people who have the technology, but don't have the musical skill. It allows you to create music in a number of popular styles, to a professional standard

even if you can't play a note on a real instrument. It's an exciting idea: to see how well it succeeds, read the full review in next month's issue.

Coming co

A whole host of new ideas to add to the slightly serious side of your Amiga. **Damien Noonan** shows you the new products that have arrived in the Amiga Format offices, which will be perused over in coming issues.

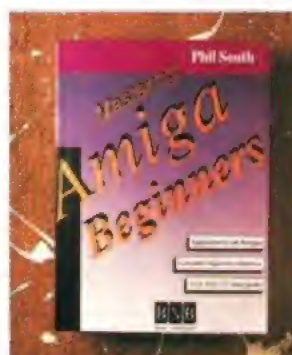
**AUDIO ENGINEER PLUS**

£204.30 RAMSCAN VIA HB MARKETING 0753 686000

The best Amiga sampler that money can buy is back, and this time it's better than ever.

The Australian manufacturers have managed to put together a package that combines simply the best piece of sampling hardware ever to hit the Amiga. And with software that is a down-under badging of the latest version of the Amiga's top sampling software,

AudioMaster IV. The results certainly ought to be spectacular: again, we'll find out how good next issue!

**MASTERING AMIGA BEGINNERS**

£19.95 BRUCE SMITH BOOKS 0923 894355

Following on from Bruce Smith Books' successful first publication, Mark Smiddy's excellent pair of books describing AmigaDOS in all its varieties and complications, the UK firm are now bringing another *Amiga Format* contributor into print. Phil South's book covers an enormous range of Amiga topics for the total novice: Workbench 2; RAM; hardware; utility devices etc, and they are all divided into easy-to-read sections. It makes an excellent introduction to the machine.

THE SCRATCHER

HB MARKETING 0753 686000

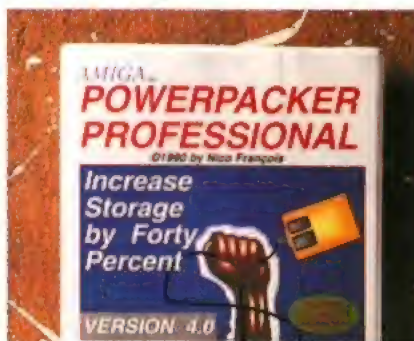


A strange idea, this original little music package comes in a record sleeve complete with an LP! The disc contains a number of demo tunes that show what you could achieve, while the program itself is a sample player. This lets you assign samples to the various keys of the Amiga's keyboard and play it like an instrument. Could be fun!

POWERPACKER PROFESSIONAL

UGA SOFTWARE VIA DATABASE DIRECT

Once a top name in PD software, UGA decided a year or so back to retain copyright to their latest releases and put them on the market properly at what are still bargain prices. This is the leader of their pack: undoubtedly the best Amiga file compression utility, now in its latest update and featuring a number of freely-distributable utilities to aid the crunching/decrunching process. Looks good.



ntraptions

GOLDSTAR TV/MONITOR £199 CALCULUS STORES



The rather unique feature of this television/monitor combination is really the price: for £199 it's easily simply the cheapest that is available. In a nutshell, this is a remote-control colour TV, so you can stick it in your bedroom, kitchen or wherever and watch *Neighbours* – if you so desire – or the latest episode of *GamesMaster* but it doesn't stop there because it is also equipped with a SCART connector that allows you to plug in your Amiga's RGB video signal, to get full monitor quality and stereo sound.

Our only criticism, and it's a small one, of it would be that the built-in speakers are a little bit on the weedy side, so the sound is not quite up to the standard of the Philips or Commodore Amiga monitors: but at the bargain price, along with the telly tuner thrown in, then it has to be well worth your consideration.



ARTISTIC CLIPS VOL 1

ARTISTIC SOFTWARE 0101 613 591 6039

A range of clip art (small drawings which can be used wherever you like, to decorate or illustrate) in *Professional Draw* format, these are distinguished by the nice use of graduated shadings, rather than just simply being line drawings.

They are also in full colour. An interesting alternative for anyone who appreciates the fine lines of the top drawing program, but lacks the artistic talent.



BIBLE SCHOLAR

EASYSOFT! SOFTWARE 0101 205 881 6297

'Most likely the best Bible study software ever' is the confident claim on the packaging, and who are we to argue? Well it's probably true because it's most likely the only Bible study software ever: it's basically a combination of a concordance, explaining the contexts of the verses, with a fairly powerful search facility that enables you to track down words you want. I'm sure it's very good... is anyone interested?



LABELDEX

EASYSOFT! SOFTWARE 0101 205 881 6297

Here's another bright and simple idea, this simple little program is here to make life easy when you're printing out labels. It also works as an address book, so it's a complete address database, and it will even tone-dial the phone for you. It features presets for printing to all sorts of stationery, and it sounds as though it could be very useful indeed.



MARK'S MATHLAB

EASYSOFT! SOFTWARE 0101 205 881 6297

This one is designed for use in a situation where mathematics needs to be illustrated or explained, so it's probably essentially of interest to schools. Basically it allows you to construct and use complex mathematical expressions and centres around a mathematical parser, but it also includes illustrative features such as tables and graphs of functions. And it's a little out of my league...

'Serious' reviews

Not necessarily as serious as all that – there's fun to be had here too! – this is the section of the magazine dedicated to bringing you honest and intelligent reviews of the latest releases in hardware and software that have nothing to do with games.

From expansions such as extra memory and hard drives through useful, practical utilities to the latest in 'productivity' (word processing, DTP, databases) and 'creativity' (paint, animation, 3D and music) software, it's all in here.

Two years running, **Amiga Format** has been voted by computer retailers as the magazine that they most trust when they're deciding what to stock, so you can see that we're the people best placed to advise you on what to buy. With our expert knowledge, we know what's the best program to date for any particular kind of job, and we'll see how anything new stacks up against the best in the business.

We also carry 'round-ups' which compare all the programs that are available of a particular kind and pick out the best for your needs. We've covered hard drives, disk drives, sound samplers, video digitisers, word processors, word publishers and more in recent issues, but if you're trying to decide what to buy do write in and ask us to do a comparison.

Contents

Here's precisely where you can find the reviews of the latest techie software. And to tie in with our animation feature (Page 31) check out this first review...

TAKE 2.....120

From Rombo, an animation package for professional and amateur Amiga animators. But is it any good?

DEVPAC 3.....125

Here's the update to HiSoft's assembler. This remarkable program will make coding in assembly a cinch.

SCALA 500.....126

Desktop video is the place where the Amiga seems to be expanding at the mo. The best video-titler around?

PIXEL 3D 2.....137

Another update to a previous release. This is the essential utility if you work in 3D.

How the Ratings System works

SPEED (marked out of 5) ●●●●●

Tremendously important for both hardware and software: there's nothing more annoying than waiting. A purely intuitive judgement.

DOCUMENTATION (out of 5) ●●●●●

Although there are some packages that are so simple no manual is needed, complex items benefit hugely from a good explanation.

ACCESSIBILITY (out of 5) ●●●●●

The target for all good software should be powerful but simple: this rating assesses how easy it is to get to grips with the item.

FEATURES (out of 5) ●●●●●

Does it do what you want it to do? How well does it do it? And does it also do lots of other things that you'd never have thought of?

VALUE (out of 5) ●●●●●

A pretty important rating, this one: if a package does everything you could wish for, it's no use to you unless you can afford to buy it.



The Verdict, our at-a-glance overall rating, is a percentage: it's based on sheer quality but with the price taken into account, so that you know what kind of a deal you get.

QUALITY SERVICE



QUALITY PRODUCTS

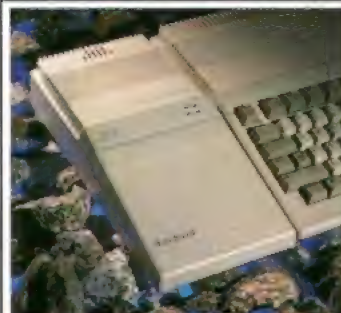
ROCLITE 3.5 SLIMLINE DRIVE



- Amiga Format says "beautifully made slimline drive, quick and quiet with all the extras - 85%"
- 3.5" 880KB External Drive
- Access time: 3ms track to track
- 0.9" high
- Enable/disable switch
- 23 pin pass through socket
- Allows connection to a 3rd drive

£54.95

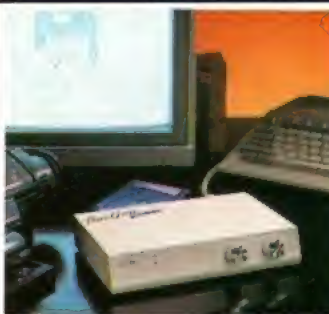
ROCHARD EXTERNAL HARD DRIVE



- External hard drive for Amiga 500
- Built in Autoboosting
- On board Ram option up to 8Mb
- IDE/SCSI hard disk drive of capacity 52Mb
- External SCSI Port
- Beginner friendly on-line help
- A super-fast, high capacity hard drive that leaves others in its wake

£349.00

ROCGEN PLUS GENLOCK



- User friendly design, easy installation
- Video-Thru & RGB-Thru Ports
- Variable fading effect: Inversion of overlay function
- Key-in port for expansion with external keying device
- Compatible with all Amiga models & Commodore CDTV

£149.00

ROCTEC MOUSE



MITSUBISHI DISKETTES



MF-2DD 3.5" DSDD 1MB
10 50 100
£5.50 £29.00 £47.00

MF-2HD 3.5" DSHD 2MB
10 50 100
£13.30 £54.00 £101.25

* Our diskettes are 100% error free and carry a lifetime guarantee. We only sell top quality products!

ADD UP STARTER PACK

Includes + DUSTCOVER, + MOUSE MAT
+ 3.5" CLEANING KIT + 5 x 3.5" DISKETTES **£9.95**

EXTERNAL AMIGA DRIVES

For AMIGA 500.....£54.95
For AMIGA 2000.....£54.95
For AMIGA A500.....£54.95

MONITORS

PHILIPS CM8833/11 STEREO 14" COLOUR MONITOR. Covered by a 12 month warranty Includes connecting cable, green screen switch UK specification

£244.95

NO APOLOGIES JUST QUALITY!
QUALITY DISKS! QUALITY VALUE! FREE STORAGE BOX!

3 1/2" DISKS

MITSUBISHI

40 80 120

DSDD 1Mb£27.20 £46.40 £56.40
DSHD 2Mb£48.55 £86.50 £121.50

3 1/2" DISKS

UNBRANDED

40 80 120

DSDD 1Mb£19.95 £32.69 £45.60
DSHD 2Mb£31.25 £63.35 £76.30

SPECIAL DISK OFFER

++++ FREE LOCKABLE STORAGE BOX WITH EACH PURCHASE OF 40+ DISKETTES +++++

brother



* DOT MATRIX

1818 80 Column 18 pin£329.95
1918 136 Column 18 pin£485.00
M2518 colour/mono£725.00
M1924L 24 pin 136 column.....£595.00
M1309 9 pin 80 column£195.95

* LASER PRINTERS

HL-4V 4 pages/minute£950.00
HL-8E 8 pages/minute£1350.00
HL-8QS 8 pages/minute£2450.00
HL-8V 8 pages/minute£1450.00

* SPECIAL EX-SHOWROOM STOCK

* INK-JET PRINTERS

Brother HJ 100
Mains or Battery PORTABLE£285.00
12 months on-site maintenance
+ FREE CONNECTING CABLE!

* JOYSTICKS

Maverick 1 QS138F£12.95
Flightgrip 1 QS129F£8.95
Python 1 QS137F£9.95
Quickshot Turbo II£8.95
Starfighter 1 remote control£22.95

* MICE & SCANNER

ROCTEC MOUSE
Superbly styled, ergonomic design
Smooth precise operation!£12.95

NAKSHA SCANNER
for Amiga 500£89.95

* LOCKABLE STORAGE BOXES

3.5" 120 Capacity£5.95
80 Capacity£5.45
40 Capacity£4.45

WHY 316?
* FAST EFFICIENT SERVICE
* WE ONLY SELL QUALITY PRODUCTS
* WE CAN MEET ALL YOUR HOME COMPUTER & OFFICE NEEDS
* FRIENDLY & HONEST SALES TEAM
* SPECIALIST MEDIA KNOWLEDGE
* PRE & POST SALES TECHNICAL ADVICE

* ACCESSORIES

Mouse Mat£2.45
Mouse Pocket£1.50
Amiga Dust Covers£3.95
2 piece Universal Printer Stand£5.95
Monitor Stand, tilt/swivel£12.95
3.5" Cleaning Kit£5.95
14" Colour Screen Filter£9.95
Monitor Plynth£19.95
Monitor Cables£9.95
Data/Printer Cables£7.95
Data Switches
2 way parallel£12.95
2 way serial£12.95
4 way parallel£22.95

HOW TO ORDER BY PHONE

0446 421316

BY FAX

0446 420404

BY POST

316 SUPPLIES LTD
7/8 TY VERLON
INDUSTRIAL ESTATE, BARRY,
SOUTH GLAMORGAN
CF6 3BE

Make cheques and postal orders payable to 316 Supplies Ltd. Please send this together with your name and address and daytime telephone number, if possible and your order requirements to our address above.



CARRIAGE CHARGES

Please add £3.35 per order for postage & packing
£5.00 for orders over £150. Diskettes £1.25 per pack
Guaranteed 2 day delivery £6.95
Guaranteed NEXT day delivery £9.00

Subject to availability despatch is normally effected within 2 days from receipt of cleared payment. Please allow 7 working days for cheque clearance. All orders will be fulfilled within 28 days unless otherwise notified.

Prices and manufacturers specifications subject to change. E&OE.

ALL PRICES INCLUDE VAT



BEST BUYS SAVE £££'s

DEAL 1

ROCTEC MOUSE
QUICKSHOT
TURBO JOYSTICK
ADD UP STARTER PACK

~~£31.85~~ OUR PRICE **£25.95**

DEAL 2

QUALITY MOUSE
MAT, AMIGA DUST
COVER, QUICKSHOT
TURBO II JOYSTICK, 10
3.5" DSDD DISKS IN PLASTIC BOX

~~£20.84~~ OUR PRICE **£17.50**

DEAL 3

ROCTEC MOUSE
MOUSE MAT
MOUSE POCKET

~~£16.90~~ OUR PRICE **£14.50**

DEAL 4

ROCTEC 3.5"
SLIMLINE DRIVE
10 3.5" DISKS IN
PLASTIC BOX
3.5" CLEANING KIT, 40 CAPACITY
LOCKABLE STORAGE BOX

~~£74.74~~ OUR PRICE **£67.95**

DEAL 5

PRINTER STARTER
PACK, UNIVERSAL
PRINTER STAND,
QUALITY DUST COVER,
200 SHEETS OF A4 PAPER.

~~£13.95~~ OUR PRICE **£9.95**



VISA

CONNECT

International

CONNECT

International

Dept AMFSC8, Unit 8A, Acorn Farm Business Centre, Cublington Road, Wing, Near Leighton Buzzard, Beds. LU7 0LB
ORDER HOTLINE: 0296 682277 GENERAL OFFICE: 0296 682248 FAX: 0296 682290

A WORLD OF SOFTWARE FOR YOUR AMIGA

EDUCATIONAL

Count & Add (under 7)	£17.99
Dinosaur Discovery Kit (3-8) (not Plus compatible)	£17.99
Datavord (Yrs 99/99) (Wordprocessor + database)	£14.99
Fun School 2 (under 6, 6-8, over 8)	£12.99
Fun School 3 (under 5, 5-7, over 7)	£12.99
Fun School 4 (under 5, 5-7, 7-11)	£16.99
First Shapes (3-5)	£11.99
First Letters and Words (3-5)	£11.99
Horray for Henrietta (maths 5-12)	£17.99
Henrietta Book of Spells (7-14)	£17.99
Kosmos Answerback Junior (6-11)	£14.99
Kosmos Factfile 500 Arithmetic (6-11)	£8.99
Kosmos Factfile 500 Spelling (6-11)	£8.99
Kosmos Answerback Senior	£14.99
Kosmos Factfile 500 Geography	£8.99
Kosmos Factfile 500 General Science	£8.99
Kosmos Maths Adventure	£15.99
Kosmos Languages from Beginners to Advanced	
French Mistress, German Master	£13.99
Italian Tutor, Spanish Tutor	£13.99
LCL - Micro English (to G.C.S.E.)	£19.95
LCL - Micro French (to G.C.S.E.)	£19.95
LCL - Micro Maths (to G.C.S.E.)	£19.95
LCL - Mega Maths (A Level course)	£19.95
LCL - Reading & Writing course (3-8)	£19.95
Mavis Beacon Teaches Typing (not Plus compatible)	£19.99
Picture Book 2 (5)	£14.99
Puzzle Book 2 (5-Adult)	£16.99
Spellbound (7-16+)	£17.99
Things to do with Words (5-12)	£14.99
The Shoe People (4-6)	£17.99

Education Bundle:
 Compendium Six contains:
 Kids Type, Weather Watcher, Calendar Quiz,
 Words & Numbers, What is IT?, Where is IT?,
 Game, Set & Match.
 £32.99

We stock lots of other educational software, please ring for details.

* Product not yet released. All prices include VAT. All goods subject to availability. Prices subject to change without notice. E&OE

ACCOUNTS

Amiga Accounts	£98.99
Digital Cashbook Combo	£45.99
Digital Cashbook Controller	£35.99
Digital Home Acc. 1	£19.99
Digital Home Acc. 2	£39.99
Digital System 3 (3 simple steps to computerize your business)	£31.99
Digital System 3E	£45.99
Personal Finance Manager	£24.99

DATABASES

Digital Mailshot Plus	£35.99
Superbase Personal 2	£34.99
Interbase	£29.99
Superbase Professional 4	£199.99

DTP PACKAGES

Pagesetter 2.0	£48.99
Pagestream 2.2	£169.99
Prof Page V2.1	£169.99

SPREADSHEETS

Advantage	£69.99
Digital Calc	£27.95
Interspread	£29.99
Superplan	£39.99

WORDPROCESSORS

Excellence VP	£69.99
Interword	£29.99
Kindword 2	£29.99
Pen Pal 1	£62.95
Protext V3	£101.99
Prowrite 3	£99.99
Quickwrite	£39.99
Scribble	£39.99
Transwrite	£34.99
Digital - Wordworks V1.1	£79.95

GRAPHICS/ANIMATION

Amos	£39.99
Amos 3D	£24.95
Amos Compiler	£21.95
Art Department	£119.99
Art Department Pro 2	£169.99
Deluxe Paint 4	£62.95
Digiview Media Motion Contains	
Digitpaint 2 + Fast Performance	£134.95
Imagine 3D	£164.99
Pixelmate	£34.99
Photon Paint 3	£14.99
Spectra Color	£54.99
Visio Pro (drawing measured)	£16.95

VIDEO

Big Alternative Synthesizer	£42.95
Broadcast Title 2	£169.99
Reagen Plus Graphics	£139.99
Scale 500	£79.99
Showmaker	£193.99
Take 2 - Rambol	£76.99
TV Show v2	£79.95
TV Text Professional	£79.00

MUSIC/SOUND

Amos	£71.95
Automaster 4	£48.99
Audio Mixer	£42.95
Audio Sculpture	£48.99
Bars & Pipes Professional	£198.99
Dr. T's Copycat	£94.95
Dr. T's Copycat DTF	£209.99
Dr. T's KCS level 2 & 3.5	£254.95
Dr. T's Soundboard	£209.95
Dr. T's Music Recording Studio	£48.99
Dr. T's Tiger Cub	£89.99
Deluxe Music Construction Set	£52.99
Perfect Sound	£49.99
Sonic	£42.99
Stereomixer	£34.99
Superman	£89.99
Technosound Turbo	£27.99
Unicard	£34.99

UTILITIES

Amos	£35.99
512K upgrade with clock	£29.99
Unseen (DOS)	£25.99
Devolve 3.0	£49.99
GB Route Plus	£59.99
Lattice C (C++/C) v5.10	£159.99
Nanish mouse (with Operation Stealth & mouse mat)	£24.99
Pascal	£69.99
The MIDI Connector	£19.95
Outward	£42.95
Outward Tools	£59.95
Copy Prof	£34.99
Cumana 3.5" drive (on/off switch, through port)	£49.99

BUNDLES

Superbase Personal 2 + 512K memory upgrade	£49.99
Penpal + 512K memory upgrade	£79.99
Penpal + Superbase Personal 2	£84.99
The Platinum Works	£79.99
Superbase Personal 2 + Interword w/p	£59.99
The Complete Colour Solution	£149.99

HOW TO ORDER

ORDER BY PHONE: Phone our 24 hour order hotline (0296 682277) with your Access/Visa card quoting card number, name of holder, and expiry date.

ORDER BY POST: cheques or postal orders payable to "CONNECT INTERNATIONAL". Please send name, address and daytime telephone number along with your order req.

FREE UK POSTAL DELIVERY for all orders over £25 (otherw. please add 75p per item). Door to door courier service available from £3.50.

OVERSEAS ORDERS WELCOME

WINNER OF COMPUTER SHOPPER MAGAZINE BEST CREATIVITY SOFTWARE NON PC 1991

ZONE

DISTRIBUTION

Dr.T's

MUSIC SOFTWARE

Dr T's produce more AMIGA music software than any one else. They support their products with regular updates giving you new exciting features. Buy any Dr T's product in the knowledge that it will offer good value, features and support. Notation packages, sequencers, editors and more for novices and professionals alike. As their authorised UK distributor only ZONE are able to fully support all Dr T's products and supply updates, upgrades etc to all REGISTERED USERS. Ring or write for free information and advice.

Dr T's Phantom is a very reliable and accurate device that acts as standard Amiga MIDI interface and a SMPTE timecode reader/writer. It couldn't be easier to synchronize your music to video or audio tape



Phantom™
 Synchronization for video and audio is easy!

£249

- High quality MIDI interface
- Bit accurate SMPTE with offset
- 24, 25, 30 and 30 drop
- MPE compatible
- Store configs. to disk
- Supports KCS, Presenter, Showmaker and Bars & Pipes
- Protection from crosstalk & Dropouts.
- Works with any Amiga

SAVE £6 000 with X-oR

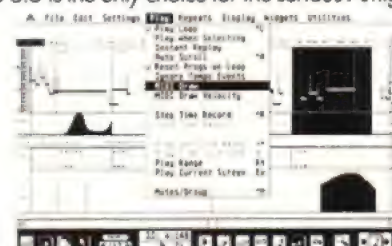
Believe it or not X-oR is a complete editor/librarian for over 120 synths and MIDI devices from all the big (and small) manufacturers. Even at just £50/editor this represents over £6,000 worth of editors in one package for just £219. Not to mention X-oR's extensive librarian facilities, MPE compatibility (real time voice edits thru KCS), randomisation and a constantly updated profile list is it hardly any wonder X-oR is so popular.



Attention all **MUSIC X** owners
 upgrade your MUSIC X to the new KCS 3.5 for just **£149**

* Saving £130 off KCS 3.5 mp of £279. This is a limited offer subject to availability. Music X disks must be returned to qualify. Call for full details. To utilize all the KCS features 2mb RAM is recommended.

KCS is the most powerful MIDI sequencer available for the Amiga. Its ease of use, reliability and rock steady timing have made it many friends. Regular updates also make it the best supported. Now with even more features like realtime graphic editing and notation, the new KCS 3.5 is the only choice for the serious Amiga musician.



AMIGA FORMAT

GOLD
GOLD
GOLD

92 % Dec 1991

Read the rave reviews in Sound on Sound, Amiga Computing, Amiga Shopper, Amiga Format

- Graphic Tape Recorder interface
- TIGER realtime Graphic editing
- Full quantise and loop record
- Multi program environment
- Notation display/ printing
- Draw/edit data in realtime
- Supports SMPTE thru phantom or MSP
- Variable resolution up to 384ppq
- Automix, on board MIDI Mixer
- 48 tracks/126 seq/16 songs
- Supports full SMPTE and MSP

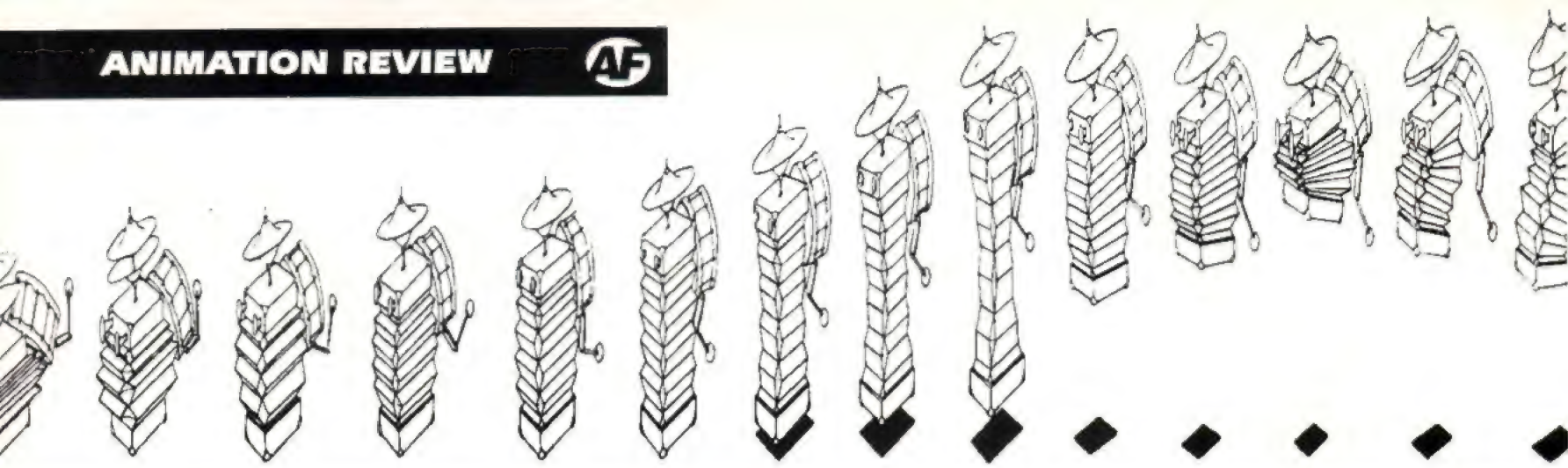
THE BEST SUPPORT FOR
 THE BEST MUSIC
 SOFTWARE IN THE
 WORLD

All trademarks acknowledged

Exclusive distributors for Dr T's, Band in a Box, Blue Ribbon, Trycho Tunes and more.

please rush me information on your products
 NAME ADDRESS POSTCODE COMPUTER ASIAN

5, Abbeville Rd, London SW4 081 766 6564 (3 lines)



Is your line tested? Are your frames in sequence? Maybe you need Rombo's Take 2. **Brian Larkman** is getting animated about it.

Take 2

Animation package ■ £95 ■ Rombo



IF YOU HAVE even just dipped into this month's massive main feature about animation, you should have an idea of how traditional animation techniques work. If you haven't, we'll start with a quick recap: you will need to understand a little about this fascinating artistic process before you can understand exactly where *Take 2* is coming from, and the use to which it's meant to be put. In the explanation that follows, important terms that we will use in the review are highlighted by bold text.

Basically and briefly, it works like this. What the animators working in a studio like Walt Disney's are trying to create is a different picture for every single **frame** of a movie film that could be a couple of hours long, and when you consider that 24 frames are played every second, you realise that's an awful lot of different pictures.

Each picture is made up of a number of layers. At the bottom is a background painted by a highly skilled specialist artist, which will probably stay the same for a number of frames. On top of that, all the characters are painted onto clear plastic film called a **cel**, quite often one for each main character so that if one character stays still for a number of frames, his cel doesn't have to be changed. There may also be separate cels for moving 'special effects' such as rain. Each layer of cel is called a **level**, with level one being the one at the bottom.

The way this animation package works is based around drawing your pictures with pencil and paper and digitising them onto the Amiga. This is the screen which controls the digitiser: the program has three other screens from which you can work.

But there's a lot of work to be done before these final pictures are ever even painted. The final production of beautiful, colourful backgrounds and cels (the 'ink and paint' stage, as it's known) is very labour-intensive; and the most important priority for the final movie is not just that they should look good, but also that all the characters must move well too.

So all the sorting out of movement, the timing of fitting the soundtrack to the pictures and all the other many little details is done in advance using rough sketches to produce a rough version that moves exactly like the final one will, even if the drawings are pretty ropey.

This stage is known as **line-testing**, because it uses only line drawings, and it's very important. If a character's not moving properly, if something isn't fitting, if an action scene isn't exciting enough, it all has to be sorted out before the final versions are drawn.

TAKE 2 is available from Rombo Productions 0506 466601

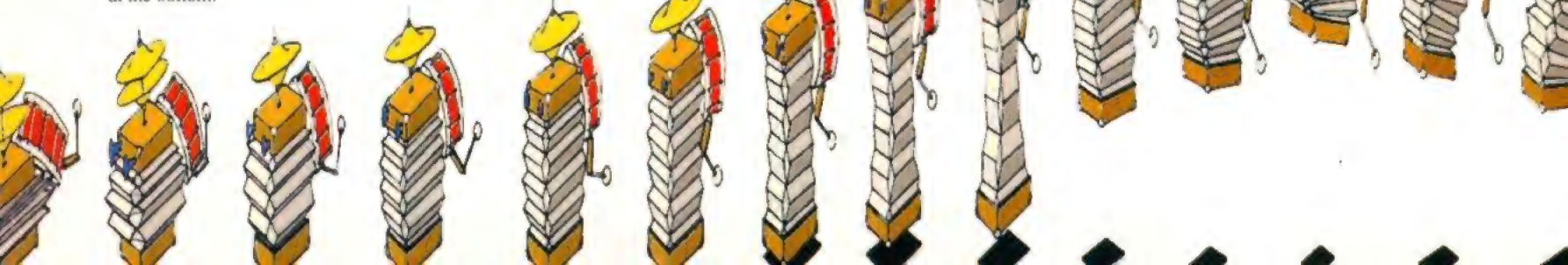
It's here that the Amiga comes in. Already a number of profess-

ional studios use an Amiga for line-testing: an example is Cosgrove Hall in Manchester, who produce *Count Duckula* for TV.

The animator's rough sketches are digitised and then animated on the Amiga screen: it's cheaper and quicker than shooting a line-test on film, and it means that sections can be cut and pasted, so corrections are easily done.

This is the starting-point for *Take 2*. It's not an animation package in the same sense as *Deluxe Paint III* or *IV*, because it's not used to actually draw or colour images. Instead, it's intended to be used with a video camera and a digitiser. You draw your artwork on paper frame by frame, you digitise it in frame by frame and then you use the *Take 2* software to animate it.

It includes two vital ideas from the world of real animation. Firstly, the only hardware you get with the package is a 'pin bar', which is simply a flat piece of metal with pegs stick-





ing up out of it. This means you can punch holes into ordinary paper using an ordinary hole-punch and then hook the paper on the pegs. That way, both when you are drawing the frames and when you are digitising them, you can make sure that everything is properly lined up and characters don't suddenly jump several feet sideways on your animation.

The second idea is the idea of 'levels' or layers of drawing. This is represented in the software: your animation can be composed of up to four levels, starting with the background at level one. Obviously this only matters when you build up the animation on the Amiga: you could put something under the video camera which had any number of layers, if you wanted to draw your layers on clear film, but to the Amiga it's still just one digitised picture.

The raw material for *Take 2* animations is, of course, the standard Amiga IFF picture. When you make an animation, all you are really doing is organising a series of pictures into a sequence. Your first step, therefore, is to digitise the pictures you want: which, of course, means drawing them first.

The great benefit of using digitised drawings is that everyone is much more used to drawing with a pen or pencil on a piece of paper than they are to drawing with a mouse: and generally the lines, especially curves and also the bits where you've pressed harder or softer with your pen are much smoother and more expressive.

Once they're on the Amiga they're IFF picture files and so you can do anything computery you want to them. This means you can load them into *Deluxe Paint* and colour them in for the final version, or you can draw your backgrounds in *Deluxe Paint*, or you could even draw as much of your animation as you want with *Deluxe Paint*.

Anyway, once you have a certain amount of raw material you can get on with building your animation, and for this you'll need the main screen of the program.

This main screen is called the

'Exposure Sheet'. Essentially it's just five columns which scroll down the screen, with one column for each of the four levels of animation and an extra column for sound effects.

Each row or line across the screen, crossing all five columns, represents just one frame of the animation. All you have to do to create an animation is choose one picture for each level that you want to use of each frame, and possibly also a sound effect for the frame. It's vastly simple.

The creation of a typical animation might work this way. You'd draw all the frames for your main character on paper, using the pin bar to make sure they're all in the right place, then digitise them in. You'd load them up into *Take 2* and build them into an animation just using level one, the first column, and see how it looks. At this stage you can cut a bit out, put in extra frames to slow it down, reverse little bits and generally play around until it's all moving properly.

Then you might add the soundtrack, which you'll have previously saved as a series of sound samples using a sound sampler, and see if it all works. If it's all looking good, you then have a choice, depending on whether or not you want to carry on working in full colour or not.

Take 2 works with IFF pictures that have any number of colours, including HAM. It can also load and save standard ANIM animation files from *Deluxe Paint*. What it won't do, however, is work in colour on more than one level of animation: if you add a second level, it automatically switches to two-colour mode. This is what prompts your choice.

If you're happy to carry on working in black-and-white, you can draw up backgrounds, other characters and so on on paper, digitise them in and carry on creating a multi-level animation. When it's finished, you could save it as an ANIM file and colour it all up in *Deluxe Paint*, but if you're just line-testing the finished line animation would do you nicely.

Alternatively, you could quit *Take 2*, straight away, and use *Deluxe Paint* to colour up your main character and draw your backgrounds and so on until you have a finished *Deluxe Paint* animation.

You can start off with digitised drawings, and you can colour them in a paint package...



...or you can work from real life, using the digitiser to grab pictures of your friends.



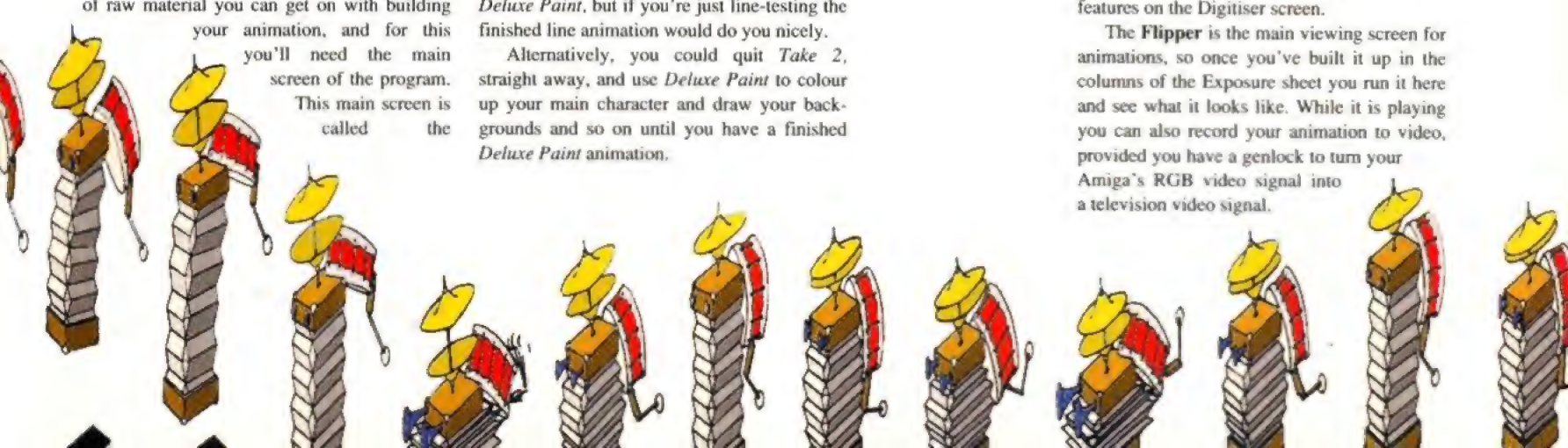
It's also perfectly possible that you could have been working with full-colour digitised images in the first place, in which case your one-level animation would already be finished.

From the main screen of the program, the Exposure sheet, you can click on buttons at the bottom of the screen to reach the other parts of the program: the Frameboard, Digitiser and Flipper screens.

The **Frameboard** is intended for use while you are putting your animation together on the Exposure Sheet. It gives you a reduced view of the current frame and the three subsequent ones to help you see where you are.

The **Digitiser** panel gives you full control over Rombo's VIDI-Amiga digitiser, if you are using one. *Take 2* is far more versatile and useful if you use the Rombo digitiser, simply because it means you can make full use of the features on the Digitiser screen.

The **Flipper** is the main viewing screen for animations, so once you've built it up in the columns of the Exposure sheet you run it here and see what it looks like. While it is playing you can also record your animation to video, provided you have a genlock to turn your Amiga's RGB video signal into a television video signal.



HOW IT WORKS: A BRIEF RUN-THROUGH



EXPOSURE SHEET
Loading and placing pictures

This is the main screen, where you build up your animation as a series of rows (running across the screen), one row for each frame. Each frame can be made up of one picture on each of the four levels, plus one sound effect, represented by the five columns running down the screen.

You load pictures into the Picture Panel, which pops up over the main screen. One or more pictures can be selected from the Picture Panel and placed into order on your animation.

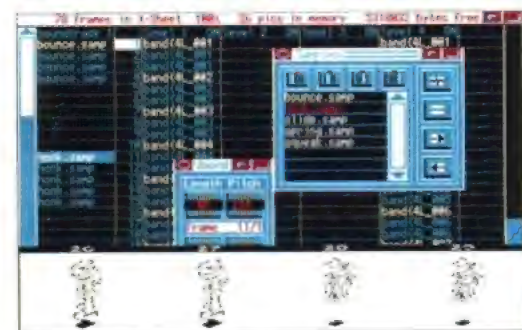
Once placed the pictures become referred to as Cells and can be edited with the Cell Panel. This means you can copy, delete, reverse, or repeat whole sections.



EXPOSURE SHEET
Loading and placing sound effects

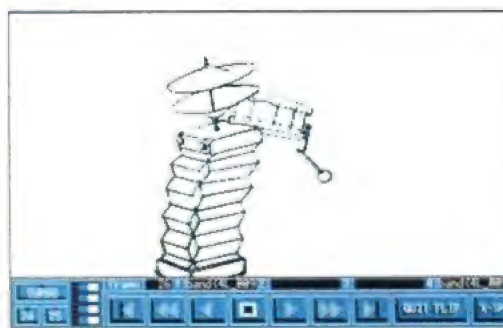
Any sound samples (8SVX or RAW) that might be required can be loaded to the Sample Panel, played, deleted and inserted into (or removed from) the current track on the Exposure sheet. Once inserted they become Sounds which can be manipulated with the Sounds Panel gadgets. Any selected sound can be repeated, made shorter or longer without altering pitch, and have its pitch or volume raised or lowered.

FRAMEBOARD, DIGITISER AND FLIPPER BUTTONS
Clicking on these buttons brings up the other three screens of the program...



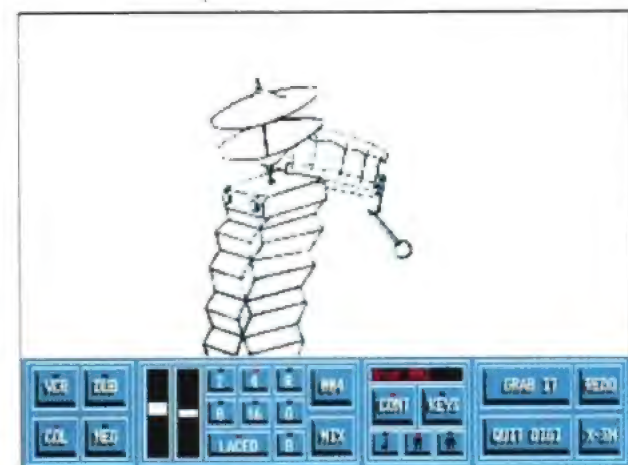
FRAMEBOARD
Helps you keep track of where you are

As an aid to editing the Frameboard provides a reduced view of the current frame and the three subsequent ones to help you see where you are. Clicking on the first or last frame scrolls through the sequence backwards or forwards, respectively. Clicking on either of the other two slides it back out of sight.



FLIPPER SCREEN
Where you watch your animation in motion!

The Flipper is the main viewing screen for animations. Here you can analyse the timing and sequence of frames and sounds, play back animations to other people and record to video. The controls are similar to the standard VCR icons plus a speed control (24 or 25 frames per second, or Turbo - as fast as possible). There is also a rather curious cut-and-paste system for moving sounds that seem a little awkward at first. At this point a complete animation can be saved as an anim and colourised in a paint program such as *Deluxe Paint*.



DIGITISER SCREEN
Controls grabbing with a VIDI-Amiga digitiser

Frames can be loaded as IFF pictures, as a standard Amiga ANIM or grabbed using VIDI-Grab. Here frames are being grabbed using the Digitiser Screen. These could be 'live' from a model (eg 'clay-mation') or from a paused VCR, or from hand-drawn cells as shown. The digitising panel allows you to control: grabbing mode - Negative, Dub (showing ghost versions of previous frames), and Colour (new palette for each frame), Image - Brightness, Vertical position, Level of grey (2, 4, 8, or 16 shades), and 32 colours or HAM. Autopause does what it says for each frame grabbed (you type a name, it adds numbers and speaks them, with a choice of voices). If you are just grabbing the preliminary Key drawings, selecting the Key gadget will ensure you are prompted for the key-frame number. Inbetweens can be added later.

The program does have its limitations. With black-and-white line drawings a reasonable number of frames can be held in memory on a standard machine, but for the best quality lines - interlaced and anti-aliased - or for colour pictures, at least 4Mbs is required for a reasonable sequence. If you then wanted to animate that sequence at 25 frames per second an accelerator would be needed. Since you also need a Rombo VIDI-Amiga digitiser to use the program to its full, this £95 package is beginning to look a shade expensive!

Another limitation is that multi-layer animations are limited to two colours, regardless of the original number. This is not really a problem for line testing but if you expect to mix layers in colour, forget it. This limitation is not very clearly described in the manual.

The manual is the largest and most comprehensive that ROMBO have yet produced, with details of every aspect of the program. The layout can be a bit confusing, so it is worth reading the whole thing at least once.

Installation and startup is relatively simple. If you use the Rombo digitiser 'Complete Solution' however, working through three or four different manuals can be confusing. Worse still, if you have an accelerator fitted, the grabber needs a different, 'fast' library, so real concentration is required. Once everything is working, however, *Take 2* is fairly intuitive.

Take 2 is very similar to ChromaColour's *Softoons* system - not a copy but designed to do a very similar job. ChromaColour have three animation software products - *Softoons*, *Softoons Personal*, and *Home Movie* - ranging from £3,000 to £90. *Take 2* has more features than either of these last two and costs a good deal less than the first.

For black-and-white animation *Take 2* works well and has great potential for home animators, schools and colleges, though it's not quite up to standard for professional line-testing, and for colour work it is limited.

The best thing about it is the idea of using real drawings: but does it have any advantage over the combination of a digitiser and *Deluxe Paint IV*? The answer is yes, a few: but it has disadvantages, too. Use them both, and all sorts of possibilities are opened up.

Take 2

SPEED

● ● ● ●
This all depends on the available memory and the number of frames that are used.

DOCUMENTATION

● ● ● ●
Good and getting better with updates. Well printed with good reference and tutorial help.

ACCESSIBILITY

● ● ● ●
Once installed, quite intuitive and easy to learn. Link with grabber excellent

FEATURES

● ● ● ●
Very good when you are doing black-and-white line testing, less so for colour.

VALUE

● ● ● ●
As usual for ROMBO, excellent, but you'll need a lot of other kit to use it to the full.

AMIGA
Verdict
80%
FORMAT

Telephone:
(0543) 473131

GLOBAL

Telephone:
(0543) 473131

**MEMORY UPGRADES
A500**

512K no clock 16 chip£19.99
4 chip£23.95
512K with clock 16 chip£24.99
4 chip£27.95
1Mb thru board£59.95
(To use with 512K upgrade
to give 1.5Mb upgrade)
1.5Mb with clock£69.95

**MEMORY UPGRADES
A500 PLUS**

1Mb (Populated to 1/2Mb)£39.99
1Mb (Fully populated)£59.95

ROM SHARER 2-04 → 1-3

ROM Sharer£29.99
Enables A500 Plus owners
to run A500 compatible software.
Will need 1.3 Kickstart£39.00

DISKS

3.5" DS/DD 100+only 33p
50+only 36p
1+only 39p

ACCESSORIES

Mouse ST/Amiga replacement£18.00
20 cap disk box 3.5"£2.99
40 cap. lockable disk box 3.5"£4.50
80 cap lockable disk box 3.5"£5.99
100 cap lockable disk box 3.5"£6.99
Dust covers Am/ST£3.99
Dust covers printer/monitorfrom £5.99
Mouse mat 6mm£2.99
Mouse mat 8mm£3.99

Leads and ribbons - most requirements can be
supplied - please telephone for quote.

SERVICES

Fitting and repair£P.O.A.

HANDY SCANNER

400dpi excellent specification for
only £99.99

SIMMS

Amazing pricing on the following.

256K x 8/9 (1/4Mb)Only £10.00
1Mb x 8/9 (1Mb)Only £30.00
4Mb x 9 (4Mb)Only £120.00

CHIPS & BITS

256K x 1 DRAM90p
256K x 4 DRAM£3.95
1Mb x 1 DRAM£3.95
1Mb x 4 DRAM£25.00
4Mb x 1 DRAM£25.00
8372A Fatter AgnusP.O.A.
1-3 Kickstart£39.00

**SUPRA 500 RX EXTERNAL
MEMORY EXPANSION**

500 RX 1MbOnly £145.00
2MbOnly £185.00
4MbOnly £269.00
8MbOnly £419.00
Only 1" wide. Plugs directly onto the side
of your Amiga - it only takes a few
moments to fit.
Phone now for your best deal around.

**FLOPPY
DRIVES**

3.5" DS/DD external drive£49.99
3.5" DS/DD internal replacement£44.00
Quiet, slim, high quality mechanisms.

HARD DRIVES

As we supply nearly all makes please
state the make and model on your
enquiry/order and we will supply at "The
market price". Please call for
confirmation of price and delivery.

**SUPRA
MODEMS**

Get to those software bill boards; or
anything you want down the phone -
ready to go on line.

Supra 2400£119.00
Supra 2400+£174.00
2400+ has error correction and data
compression. Both include:

- ★ RS232 interface
- ★ Internal diagnostics
- ★ Programmable number storage
- ★ Tone pulse autodial/answer
- ★ 100% Hayes compatible

**QUALITY
GUARANTEE**

All products are made using leading
edge technology to the highest
standards and are fully guaranteed.

Prices include VAT. P&P EXTRA please enquire when ordering. Prices and specifications are subject to change without notice. E. & O.E.



GLOBAL COMPUTING
Yoxall, Burton-upon-Trent, Staffs, DE13 8NR
Telephone: (0543) 473131



AMIGA FORMAT

123

APRIL 1992

AMIGA REPAIRS

Repairs from £23.00 inclusive.

Free registered carrier pickup and
return despatch for ultimate peace of
mind, anywhere on the UK mainland!

Free diagnostic inspection.

All repairs carried out are covered by
free 90 day warranty.

Fast efficient service, average
turnaround 24 hours!

Experienced, qualified engineers.

Any upgrade fitting, fixed price £15.00
inclusive.



Business Enterprise Centre, Eldon Street,
South Shields, Tyne & Wear, NE33 5JE.

Telephone: 091-455 4300

**IF
YOU
HAVE JUST SPENT HOURS
CREATING AN IMAGE
THEN YOU WILL
WANT
THE BEST OUTPUT**

BJ PRINT & GRAPHICS
0803 666003

19 WINSU AVE PAIGNTON DEVON



SPECIAL OFFERS

SPECIAL OFFERS

BANX STACKABLE BOXES



Features Include: Both stack horizontally and vertically

90 Capacity 3.5

Very high quality manufacture
Anti-static
Protective lock
Colour coded dividers

only £9.95

150 Capacity 5.25 or 130 3.5

Beautiful strong design
Anti-static
Protective lock
Colour coded dividers
Smooth draw operation

only £16.95

DISKETTES

Specialists for over 3 years supplying Education, Government, home user, quality, reliability, value for money.

YOU SIMPLY CANNOT BUY BETTER

**3.5 DOUBLE SIDED
DOUBLE
DENSITY**

50 DSDD 3.5 Plus deluxe storage box only£29.95

100 DSDD 3.5 Plus deluxe storage box only£44.95

THIS MONTHS SPECIAL

200 DSDD 3.5 Plus 2 deluxe storage boxes only ...£74.95

UPTO 90% OFF YOUR CURRENT RIBBON PRICES

In 1989 Western Europeans throw away over 128 million printer ribbons. They weighed over 9,000 tonnes in total and would reach right around the world if laid end to end.

A used ribbon cartridge is being thrown away somewhere in the UK every second of every day. You can help put an end to this environmental waste and save some money at the same time thanks to RE-INK, a revolutionary new spray which brings new life to exhausted fabric printer ribbons.

RE-INK is cost effective and simple to use. Simply open up your plastic ribbon cartridge, spray a few squirts of RE-INK's special ink and lubricant formula and your ribbon is as good as new - sometimes even better!



**BEST OF ALL,
RE-INK IS
AVAILABLE IN
THIS SPECIAL
READER OFFER
FOR ONLY**

£12.95

★ RE-INK will save up to 90% on what you currently spend on new ribbons

★ RE-INK - treated ribbons give clearer, blacker print than new ribbons

★ RE-INK is a very high quality ink - no blotchy or patchy ink

★ RE-INK is universal - it works with all fabric ribbons

★ RE-INK can extend the life of your printer with its special lubricant oils

AVAILABLE FROM MD OFFICE SUPPLIES

MD Office Supplies

18 Crescent Way, Farnborough,
Kent BR6 9LS Tel: 0689 861400



Educational & Government orders welcome



From 1st January all orders below £20.00 are subject to £2.95 P/P Charge

THIS MONTHS MAD, MAD OFFERS

3.5 External DS DD Drive

Features include:

- Very high quality design
- Citizen/Sony drive mech.
- On/Off switch
- Full 880k formatted capability
- Very quiet smooth operation

EXCEPTIONAL PRICE £48.95 INCLUSIVE

Philips CM8833 Monitor

Including Cable, Stereo Colour Monitor, F19 Stealth
Fighter FREE

SIMPLY THE BEST AVAILABLE

HURRY, HURRY, HURRY £239.95

JOYSTICKS

Zipstick Autofire £19.95 Speedking Autofire £10.95
Maverick 1 £12.95 Python 1 Turbo III £9.95
Nanta Ray Autofire £13.95

HiSoft have updated their popular Devpac assembler system. **Jason Holborn** highlights why it's an all-formats beater.

AMOS and C are fine for most applications, but if you want the performance that high-speed programs like arcade games demand, then the only real choice is assembly language. Assembler programs directly address the Amiga's hardware – the 68000 central processor, Agnus, the CIAs etc – providing the kind of speed and level of control over the Amiga that even AMOS cannot match.

Any tool that makes coding in assembler as painless as possible can't be bad. HiSoft's Devpac assembler system has been doing the rounds for a few years, it has gone through two revisions and has, quite rightly, established itself as the Amiga standard.

In a way, this release comes as no surprise. With the increasingly popular processor accelerators boasting the new generation of 32-bit Motorola processors and high-speed 32-bit RAM, plus the new Workbench 2.0 and the Enhanced Chip Set, Devpac 3 was inevitable.

HiSoft have taken every aspect of the Devpac system and enhanced it beyond belief. For starters, it now comes on four disks – two for 1.3 machines and two for Workbench 2.

The format of Devpac hasn't changed. You can still edit, assemble and debug your assembly language programs from within the Devpac text editor, but virtually all these programs have been tarted up to bring them in line with the look and feel of Workbench 2.0. Even if you're running Devpac 3 on a 1.3-based machine, you still benefit from the good looks that Workbench 2.0-support delivers.

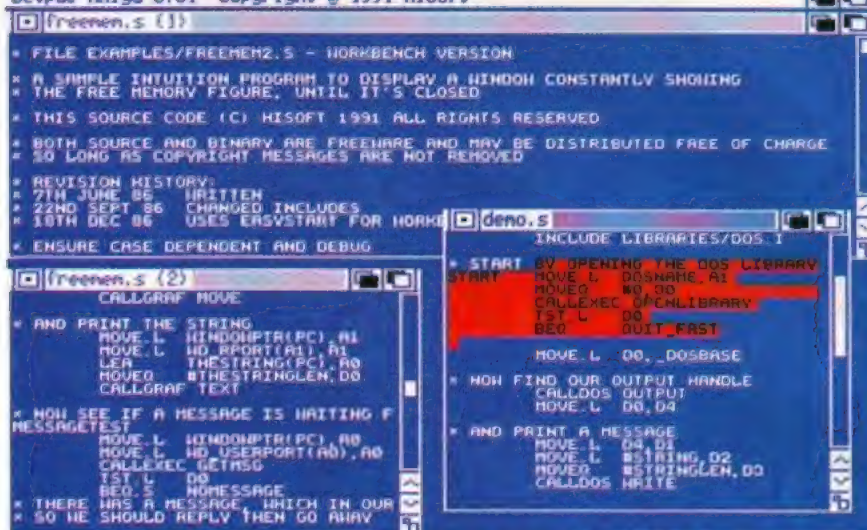
The old Devpac text editor has undergone radical changes. Devpac's new editor is a swish affair, allowing you to open and edit multiple documents within an almost infinite number of windows, cut-and-paste blocks using the mouse, assign 'book-marks' anywhere within your source code (handy for flicking between sections of code), search and replace and plenty more besides. You can also rid your system of the horrid Topaz font with a standard non-proportional bitmapped font.

You can still assemble your code directly from the Devpac editor or – for the purists among you – from the CLI. HiSoft have speeded up the assembler, but the speed increase isn't noticeable until you start working on larger projects. Instead, HiSoft have concentrated more on making the assembler more complete. It now supports the full range of Motorola processors and co-processors including the 68040, 68332 and the 68881/2 maths co-processors.

The assembler can now generate not only fully executable and linkable code, but also code in S-Record format. S-Records are a standard way of transferring binary code between machines using 7-bit ASCII code only. This is useful because S-Records are also the standard format for blowing 16 and 32-bit

The new Devpac 3 editor is a very swish affair. You can load and edit several source files simultaneously, cut and paste between them plus a whole lot more besides.

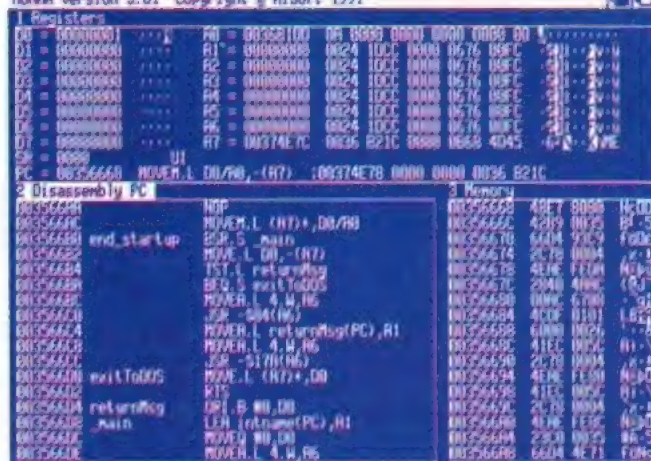
Devpac Amiga 3.01 Copyright © 1991 HiSoft



Devpac 3

Assembler ■ HiSoft ■ £69.95

MonAm version 3.01 Copyright © HiSoft 1991



If your programs don't quite do what you intended, then zap those bugs with the Devpac debugger.

code onto 8-bit Eproms, making Devpac the ideal development system for anyone wanting to make their own software cartridges.

Writing and assembling code is one thing, but it's a fact of life that assembler programs never work first time. Problem is though, debugging an assembly language program is nothing like debugging a BASIC program. The most extreme thing that a BASIC programmer will be presented with is a Syntax Error, but virtually all bugs in assembly code usually result in a guru. This then is where MonAm, the Devpac debugger, comes in.

On first inspection, it looks much the same as MonAm version 2, but there are significant enhancements. For starters, you can now organise the MonAm windows as you wish by stacking them, splitting them horizontally and vertically etc. One nice feature is the ability to load any number of source files into MonAm, allowing you to debug an object file which may be split across several source files.

For those of you with processor accelerators, MonAm now supports the same range of processors and co-processors as the assembler,

with the register list being automatically updated whenever MonAm detects the presence of a more powerful processor.

It's rare to encounter a piece of software that not only blows away the competition on the Amiga, but can give also the PC and Macintosh a run for their money. With its intuitive design and flash-looking new Workbench 2.0 user interface, HiSoft have come up with what must be the ultimate assembler language system ever to be developed for any machine, not just the Amiga!

Programming in assembler has always seemed an intimidating prospect, but with Devpac 3 it's almost fun. It won't write your programs for you (this is about the only thing it can't do!), but you'll find its friendliness and ease of use a breath of fresh air. HiSoft have produced a development system that's going to be hard pushed to match, let alone surpass. Devpac 3 is the Amiga assembler.

Devpac 3

SPEED

Not as fast as ArgAsm, but turns in performance figures that the designers at Ferrari would envy!

DOCUMENTATION

HiSoft manuals have always been very well written and Devpac's manual is no exception.

ACCESSIBILITY

Programs can be written, assembled, debugged and run without ever leaving the Devpac editor.

FEATURES

It gives Amiga programmers the most complete programming environments to be released!

VALUE

Compared to other programming languages, Devpac is still phenomenal value.



95%

DEVPAC 3
is available from
HiSoft
0525 718181

* SALE NOW ON * SAVE ££'S * CALL INTO YOUR NEAREST STORE-NOW!

ALL PRICES INCLUDE VAT, COURIER DELIVERY

SALE
NOW ON

2 YEAR
GUARANTEE



THE ALL NEW..

A500P GALACTIC PLUS PACK

- A500 PLUS COMPUTER WITH 1 MEG RAM
Latest enhanced Amiga from Commodore featuring Super Agnes, Kickstart V.2, Workbench V.2.04
- CARTOON CLASSICS SOFTWARE
Bart Simpson, Lemmings, Captain Planet, Deluxe Paint III
- ADDICTIVE HITS SOFTWARE
Rainbow Island, Bubble Bobble, New Zealand Story.
- WICKED 30 GAME PACK
30 great games to get you going!
- 2 QUICKSHOT JOYSTICKS
Not one, but two Quickshot joysticks!!
- 40 CAPACITY LOCKABLE DISK BOX
- 10 DOUBLE SIDED/DOUBLE DENSITY DISKS
- QUALITY COMPUTER DUSTCOVER
- HIGH QUALITY MOUSEPAD

All this for an unbelievable

£377.99 CALL

MAD
SALE

COMMODORE CDTV SCOOP

- CDTV Player With Remote Control Handset
- "Welcome" - A Guide To CDTV Disk with Caddy
- Hutchinsons Encyclopedia
- Lemmings

£477.95 CALL

COMPLETE PERIPHERAL PACKS

PACK 1

PROTAR 512K RAM Upgrade with clock • 40 capacity lockable disk box • 20 3.5" DS/DD disks with labels • 3.5" disk drive cleaner kit
all for just £37.95 CALL

PACK 2

PC 880B intelligent disk drive • Protar 512K RAM upgrade with clock • 40 capacity lockable disk box • 20 3.5" DS/DD disks with labels • 3.5" disk drive cleaner kit
all for just £97.95 CALL

UP TO
50% OFF
SOFTWARE

CONSOLE CORNER

ALL PRICES INCLUDE COURIER DELIVERY & 2 YEAR GUARANTEE

CONSOLE SYSTEMS

Sega Master System.....£59.95
Sega Master System Plus.....£79.95
Sega Megadrive.....£129.95

COLOUR PORTABLES

Atari Lynx.....£79.95
Sega Game gear.....£79.95

We stock a wide range of software and peripherals for all of the above ring for details

Future *World*
computers

PLUS A COMPREHENSIVE 2 YEAR GUARANTEE!

PRINTERS

All printers come with connecting cables free of charge

STAR

GOLD STAR DEALER

LC-20 MONO 9 pin Dot Matrix, 180/45 cps.

£1 CALL 95

LC-200 COLOUR 9 pin Dot Matrix, 185/45 cps.

£2 CALL 95

LC-24/200 MONO 24pin Dot Matrix, 220/55 cps

£2 CALL 95

LC-24/200 COLOUR 24 Pin Dot Matrix, 220/55 cps

£3 CALL 95

CITIZEN

PREMIER SUPER DEALER

120D+ MONO 9 pin Dot Matrix, 120/25 cps.

£1 CALL 95

SWIFT COLOUR 9 pin Dot Matrix, 160/40 cps.

£2 CALL 95

124D MONO 24pin Dot Matrix, 144/48 cps

£2 CALL 95

SWIFT 24 COLOUR 24 Pin Dot Matrix, 160/50 cps.

£3 CALL 95

PRINTER STARTER PACK

• UNIVERSAL PRINTER STAND • QUALITY DUST COVER • 200 SHEETS OF PAPER

All for only £ CALL 5

**CALL NOW
AND PICK
A BARGAIN**

POWER DISK DRIVE STARTER PACKS

BEGINNERS PACK

- PC880A Disk Drive features Anti-Click, thru port
- Ten 3.5" DS/DD disks
- 40 Capacity lockable disk box
- 3.5" disk drive cleaner kit

£6 CALL 95

ADVANCED PACK

- New PC880B Intelligent Drive features Virus hardware, Blitz hardware
- Ten 3.5" DS/DD disks
- 40 Capacity lockable disk box
- 3.5" disk drive cleaner kit

£7 CALL 95

**CALL NOW
FOR SUPER
LOW PRICES**

STEREO COLOUR MONITORS

PHILIPS 8833/Mk2

£2 CALL 95*

*Free F19 Stealth Fighter

CBM 1084S

£2 CALL 95*

*Free Silent Service II

ORDERING MADE EASY



BY PHONE

Simply call our Head Office quoting your Access/Visa number on
0234 218060 (5 lines)



BY CALLING PERSONALLY

Simply call into your nearest FutureWorld store where our fully trained personnel will be more than happy to deal with your requirements



BY POST

Make cheques, Building Society drafts or Postal Orders payable
FUTUREWORLD COMPUTERS LTD
UNITS 25-27 SERGEANTS WAY
ELMS INDUSTRIAL ESTATE
BEDFORD MK41 0EH

Please write cheque guarantee card number on reverse of cheque to ensure same day clearance



REMEMBER

ALL PRICES INCLUSIVE OF VAT & COURIER DELIVERY*
* UK MAINLAND ONLY

FINANCE

Finance available to suit your specific needs. Written details on request. Instant credit is available in all FutureWorld stores.

PREMIER GOLD CARD

- 7 day money back guarantee if not completely satisfied
- 30 day exchange for new policy should a fault occur
- 2 year guarantee giving free collection and delivery service should a fault occur
- Exclusive Premier Gold Card with Personal Membership Number entitling you to special offers
- All this for only £19.95 per item purchased

2 YEAR GUARANTEE

For the whole guarantee period, warranty service will be completely free of charge

TECHNICAL SUPPORT/ON SITE ENGINEERS

Being authorised service centres for AMSTRAD, COMMODORE & STAR, we are equipped to deal with the majority of queries

FULLY COMPUTERISED ORDERING SYSTEM

This enables our telesales staff to provide up-to-the-minute stock information coupled with efficient dispatch

FULL TESTING PROCEDURE

All computer hardware is tested prior to dispatch maintaining our motto:

*Simply the
BEST*

YOUR NEAREST **FutureWorld** STORE



BEDFORD

70 High Street Bedford Telephone 0234 217070



NORTHAMPTON

1-7 College Street Northampton Tel: 0604 33996



WELWYN GARDEN CITY

16 Church Road Welwyn Gdn City Tel: 0707 390029



*** SALE NOW ON * SAVE ££'S * CALL INTO YOUR NEAREST STORE-NOW!**



Here's a database that's so simple to use you don't need a crash course in astrophysics to use it. **Jason Holborn** catalogues his suspect CD collection...

the whole file, create a new database file, load and save a database (this is necessary because all records are held in RAM at once).

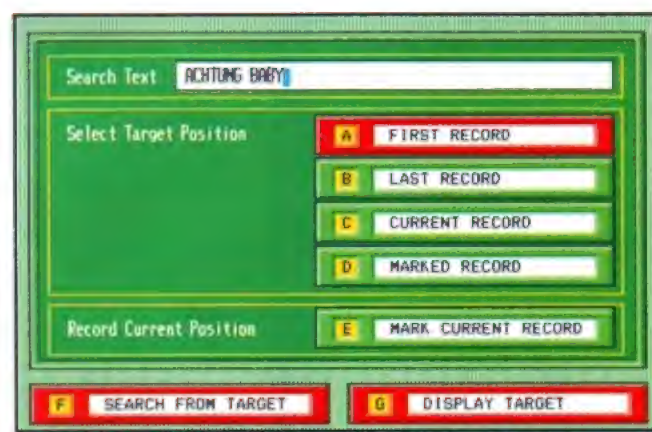
HomeBase's edit panel is well endowed. Records can be cut, copied and pasted and new records created. For database querying, *HomeBase's* 'Find' gadget allows you to search through your database by entering a line of text that *HomeBase* can search for. If you need immediate retrieval of more important records, you can mark any record using a system similar to a book-mark. Once a record is marked, you can flick straight to it without having to search for the record manually.

The index panel isn't quite what it seems. Seasoned database users will associate an index with the organisation of records, but *HomeBase's* index facility is actually a clever method of flicking between different database files without having to mess with a file requester. Simply by assigning your new database to one of 12 index buttons, that database can be loaded instantly simply by clicking on its index gadget.

Helios Software designed *HomeBase* for the beginner, but they've made it too simple to be genuinely useful. Initially you'll find it capable, but as your knowledge of databases and the Amiga grows, you'll soon feel held back. There's no doubting what it does it does well, but *HomeBase* just doesn't go far enough.

HomeBase would have been a great program if it allowed you more control over the format of records. To restrict the user to a measly three fields of a fixed format is too restricting. If Helios were to extend *HomeBase* to allow more control over the format of its databases, then I'd recommend it (something for *HomeBase 2* perhaps?). As it is, I'd advise you to analyse your databasing requirements before handing over your cash.

HomeBase uses a fixed format for all databases consisting of just three fields per record.



Records can be extracted simply by entering a search string. *HomeBase* then searches through your database until a match is found.

first of these four fields is simply a description of the database (a header, if you like) and cannot therefore be changed within each record.

Even the three fields that remain are both fixed in length and in format. I must admit I wasn't overly impressed by this approach. It would have been nice to have a little control over the format of records, even if this extends no further than changing the length and type (text, numbers, dates etc) of individual fields. As it is, every database you create will look and perform exactly the same.

The heart of *HomeBase* is a control panel that runs horizontally along the bottom of the screen. It doesn't have any pull-down menus, so all of its operations are put into motion by clicking on the appropriate gadget. Finding the gadget you need can initially be confusing, just because there are so many of them on offer, but after a few hours use you'll be flicking through them at lightning speed.

The control panel is divided into four sets of gadgets grouped into what *HomeBase* calls 'Panels' - a global panel, an edit panel, a browse panel and an index panel. The global panel allows you to sort your database into alphabetical order, print individual records or

HomeBase

Database ■ Helios Software ■ £29.95

IF YOU'RE THE kind of person that wouldn't know a cross-referenced index entry from a bag of lightly salted fish-and-chips, then *HomeBase* could well be for you. Designed with young children and the non-techie types in mind, this is a simple program that will allow you to create and maintain databases on virtually any subject; ranging from names and addresses, to your CD or video collection.

Based around the tried-and-tested card index method of handling information, *HomeBase* sacrifices the power of fully relational database systems like *SuperBase* and concentrates instead on making the process of maintaining a database as simple as possible. Like a card-index box, each record that's created is stored on its own 'card' which can be edited, copied, sorted and deleted. As new records are added, *HomeBase* adds a new card to your computerised card-index box.

HomeBase is on a single disk complete with a tacky photo-copied 32 page manual. It is well written and assumes virtually no computer-related knowledge, so it's ideal for those new to both the Amiga and computers in general.

Once you've got past the annoying copy protection, the first thing you'll notice is the pretty user interface. It's not quite in line with Commodore's style guidelines, but as a front end for the non-computer literate, it serves its purpose perfectly. All the gadgets are large and beautifully coloured, plus *HomeBase* uses a large point size for all its text, making the program very useable on a TV.

The first thing you need to do, before you can start managing your information is to create a new database (in card-index terms, this could be likened to a trip to Woolworths to buy a new pack of index cards!). Unlike 'real' databases however, *HomeBase* uses its own fixed format for all its database files, consisting of just four fields. Unfortunately, the

HOMEBASE
Is available
from Helios
Software Design
0623 516122

HomeBase

SPEED ●●●●
Sorting and searching is fairly quick, although the program sometimes leaves you waiting.

DOCUMENTATION ●●●
The manual covers the program well enough, but don't expect a *SuperBase*-like manual.

ACCESSIBILITY ●●●●
Designed with young children and the non-computer literate in mind.

FEATURES ●●
HomeBase is simply too limited to be truly useful. It's great as an introduction to databases.

VALUE ●●●
There are PD equivalents available that could more than give *HomeBase* a run for its money.

Verdict **65%**

NEW FROM
Evesham Micros

R Reference

PRICE
BREAKTHROUGH!



At Last! ... the chance to buy **Quality, High Capacity Hard Disk Systems for the Amiga 500 at REALISTICALLY LOW PRICES!**

Specially designed for the A500, our new **Reference SCSI** Hard Drive Systems offer exceptional value for money, incorporating top brand, high performance NEC hard disks!

- NEC SCSI Hard Disk Mechanisms for optimum performance, 25ms Average Access time, with Autoparking
- Includes its own Dedicated PSU. Commodore recommends against use of peripherals without independent power supply.
- **COOL!** due to popular demand, we have now fitted a cooling fan
- Option for up to 4MB of additional RAM Expansion, made simple through the use of SIMMS - the modern way to upgrade
- Includes SCSI Throughport at rear for further expansion
- High quality metal casing, colour matched to the Amiga 500
- Includes Configuration/Format Software, plus 'MRBackup Pro'

MRBackup Professional
FREE with every hard drive!

Included with every hard drive is MRBackup Pro, offering hard drive owners full data security and peace of mind. MRBackup can backup files to floppy disk or SCSI tape streamer, with or without its own "fast" format feature. Features include intuitive user interface, plus Data Compression options which help reduce the quantity of backup media required.

MRBACKUP PROFESSIONAL
Available Separately for Only £29.95

REFERENCE-40 : £299
REFERENCE-100 : £449

2MB RAM VERSION: ADD £80 • 4MB RAM VERSION: ADD £160

Prices include VAT and delivery

PLEASE TURN OVER FOR FURTHER OFFERS AND ORDERING INFORMATION

Evesham Micros

**JOINT WINNER OF
COMPUTER SHOPPER'S
'Best Customer
Service'
- AWARD FOR 1991 -**

PRICES INC. DELIVERY & VAT @ 17.5%

Express Courier Delivery :
(UK Mainland Only) £6.50 Extra

HERE TODAY ~ HERE TO STAY

Evesham Micros First. First for choice, prices and service. Established for over eight years, with a strong financial status and secure future. Our Computerised Telesales Order Processing investment means fast, efficient service. Well appointed Retail Showrooms with large product range on display. Our huge Customer database, high percentage of repeat custom and personal referrals underlines our popularity. **REMEMBER** - when you need us, we will still be here. Our extensive expansion program means we could eventually be there as well...

HOW TO ORDER.....



Call us now on

0386 765500

TELESales OPENING TIMES :

9am - 7pm Monday-Friday

9am - 5.30pm Saturday



Send Cheque, Postal Order or
ACCESS/VISA card details to:

Evesham Micros Ltd.
Unit 9, St Richards Road
Evesham, Worcs. WR11 6XJ



ACCESS / VISA
Cards Welcome



Government, Education & PLC orders welcome
Same day despatch whenever possible
Express Courier delivery (UK Mainland only) £6.50 extra
Please note that 5 banking days must be allowed for
cheque clearance. Immediate clearance on Building
Society cheques or Bank Drafts.

Mail Order Fax: 0386-765354

RETAIL SHOWROOMS

Unit 9 St Richards Road, Evesham
Worcestershire WR11 6XJ

☎ 0386 765180

fax 0386 765354

Open Mon-Sat., 9.00 - 5.30

5 Glisson Rd, Cambridge CB1 2HA

Tel: 0223 323898

Fax: 0223 322883

Open Mon-Sat. 9.00-6.00 & Sat. 9.30-5.30
Corporate Sales Dept • IBM Dealer

251-255 Moseley Road,
Highgate, Birmingham B12 0EA

Tel: 021 446 5050 • Fax: 021 446 5010

Open Mon-Sat., 9.00-5.30

Corporate Sales Dept • Easy Parking

**NOW
OPEN**

320 WITAN GATE

MILTON KEYNES MK9 2HP

☎ 0908 230 898

fax 0908 230 865

Open Mon-Sat. 9.00-5.30

**TECHNICAL
SUPPORT**

☎ 0386-40303

Monday to Friday, 10.00 - 5.00

**12 MONTHS WARRANTY
ON ALL PRODUCTS**

All details correct at time of going to press • All goods subject to availability

AMIGA A500 SOLDERLESS RAM UPGRADES

**512K RAM/CLOCK
UPGRADE**

ONLY £24.99

including VAT and delivery

**512K RAM EXPANSION
ALSO AVAILABLE
WITHOUT CLOCK : ONLY
£19.99**

512K RAM/CLOCK EXPANSION FEATURES :

- ☆ DIRECT REPLACEMENT FOR THE A501 EXPANSION
- ☆ CONVENIENT ON / OFF MEMORY SWITCH
- ☆ AUTO-RECHARGING BATTERY BACKED REAL-TIME CLOCK
- ☆ COMPACT UNIT SIZE : ULTRA-NEAT DESIGN
- ☆ LOW POWER CONSUMPTION RAM IC'S

NEW • NEW • NEW • NEW • NEW

**'A500 PLUS'
1MB RAM
UPGRADE**

NEW • NEW • NEW • NEW • NEW

**THE FASTEST AND
MOST SIMPLE WAY TO
UPGRADE YOUR
A500+ TO 2MB RAM!**

Simply Plugs into trapdoor expansion area ☆ Increases total RAM capacity in 'Amiga 500 Plus' to 2Mb 'ChipRAM'

- ☆ Convenient RAM On/Off Switch ☆ Compact unit size
- ☆ Only 8 low power RAM IC's ☆ High reliability

UPGRADE
TO 2MB FOR
ONLY £79!

**A500 1.5MB
RAM BOARD**

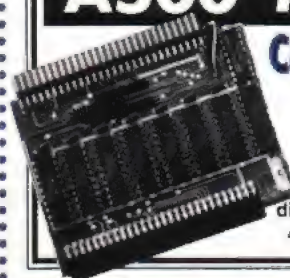
- ☆ Fully populated board increases total RAM in A500 to 2MB!
- ☆ Plugs into the trapdoor expansion, and connects to GARY chip
- ☆ Includes Auto-recharging Battery-backed Real-Time Clock
- ☆ Socketed RAM IC's on 512K/ 1Mb for fitting up to 1.5MB RAM

N.B. The expansion requires Kickstart 1.3 to operate. Kickstart 1.3 upgrade available from us for £29.95

Unpopulated RAM board with clock.....£ 34.95
With 512K installed.....£ 54.95 With 1Mb installed.....£ 69.95
RAM Board full populated with 1.5Mb FASTRAM installed...£ 79.00

A500 'MEGABOARD'

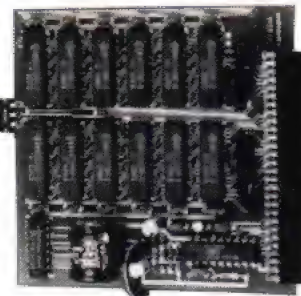
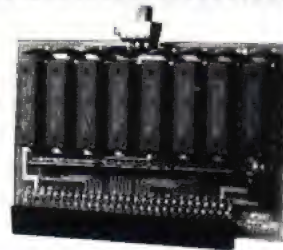
**Connects to your 512K RAM
upgrade to give 1.5MB**



With our MEGABOARD, you can further expand your A500's memory to a total of 2Mb without disposing of your existing 512K upgrade (must be 4 x RAM-chip type, or not exceeding 9cm in length).

**ONLY
£54.99**

MEGABOARD needs Kickstart 1.3 to operate (Kickstart 1.3 upgrade available from us for £29.95). Installation requires connection to the GARY chip. Easy to follow instructions provided.



3 1/2" EXTERNAL FLOPPY DRIVES

£49.99

including VAT & delivery



- Very quiet
- Slimline design
- Suits any Amiga
- Cooling Vents
- Sleek, high quality metal casing
- Quality Citizen/Sony drive mechanism
- On / Off switch on rear of drive
- Full 880K Formatted Capacity
- Long reach connection cable

**AMAZING
LOW PRICE!**

ZY-FI amplified stereo speakers

REALISE THE TRUE SOUND POTENTIAL OF YOUR AMIGA WITH THIS PAIR OF FULL RANGE SPEAKERS!



Your Amiga produces the quality hi-fi stereo sound. Enjoy quality stereo sound reproduction to the full with this specially designed, great new twin speaker system! Features reflex ported speaker design with 3 separate drivers in each unit, and incorporates a built-in amplifier with adjustable volume control. Runs from PSU (supplied) or from batteries (not included). Speaker Dimensions 248x93x125mm (HxWxD)

ONLY £39.95

TOP VALUE 400dpi HANDY SCANNER

QUALITY SCANNING - AT THE RIGHT PRICE!



Representing outstanding value for money, this package combines top quality scanning hardware with the latest version of the distinctively powerful DAATASCAN PROFESSIONAL VERSION 2 software. At a genuine 400dpi scanning resolution, this new scanner produces truly superb quality scans. Has a full 105mm scanning width, variable brightness control and 100 / 200 / 300 / 400dpi resolution. Daatascan Professional Version 2 scanning and editing software allows real-time scanning in either line art or in up to 64 simulated grey scales. Provides powerful editing features and excellent compatibility with most DTP and Paint Packages, eg. Deluxe Paint 4, Touch-Up.

ONLY £99.99

TRUEMOUSE

NOW 300dpi RESOLUTION



WE GUARANTEE that this is the smoothest, most responsive and accurate replacement mouse you can buy for the Amiga. Excellent performance, now with a 300dpi resolution. Amazing new price!

£16.99 SATISFACTION GUARANTEED

GOLDEN IMAGE OPTICAL MOUSE Amiga/ST compatible - excellent travel+accuracy assured. NEW LOW PRICE!... £29.00

ROCGEN GENLOCK MK.II

SPECIAL OFFER!! INCLUDES 'HOME TITLER' SOFTWARE



OFFERING EXCEPTIONAL VALUE FOR MONEY, this fully compatible GENLOCK adaptor offers levels of quality, function and sophistication not normally available in this price category. Special features include the ability to record graphics & animations on video recorders and overlay graphic and text onto video. Capable of smooth and stable fading and overlaying effects with special tuning knob.

ONLY £99.99

NEW! 'ROCGEN PLUS'

Compatible to any Amiga or Commodore CDTV, this NEW Genlock Adapter provides Advanced Special Effects and Performance Features without sacrificing user-friendliness! New Special Features include: Dual Dissolve control knobs providing freely adjustable degrees of overlay or invert (keyhole) effects; Auto Video pass-thru; extra Video throughput for separate line monitoring; RGB pass-thru for real-time editing of Amiga graphics; plus Key-in port for use with an external keying device.



ONLY £129.95

PHILIPS 15" TV/MONITOR

With its dedicated monitor input, this model combines the advantages of a high quality medium resolution colour monitor with the convenience of remote control Teletext TV - at an excellent low price! Features dark glass screen for improved contrast, plus full range 3-way speaker sound output.



£269.00 Including VAT, delivery & cable

Philips CM8833 Mk.II Monitor including cable..... £239.00

A590 ADD-ON HARD DRIVES

A590 OWNERS! Expand your hard disk storage further with one of our add-on, externally cased SCSI Hard Drives, with 25ms autospinning NEC mechanisms and separate power supply. Plugs into the socket provided on the rear of the A590 unit.

External 40Mb SCSI Drive cased with PSU to directly add-on to the Commodore A590 £249.00

External 100Mb SCSI Drive cased with PSU £399.00

AMIGA 500+ SPECIAL OFFERS

A500+ CARTOON CLASSICS PACK

INCLUDES 3 BRILLIANT CHART-TOPPING GAMES!!!

TOP VALUE PACKAGE INCLUDES:

- NEW 'AMIGA 500 PLUS' with 1Mb RAM, 1Mb Drive, Kickstart 2, Workbench 2, TV Modulator, Mouse, etc.
- 'DELUXE PAINT III', PLUS:
- 'LEMMINGS' (top seller!)
- 'CAPTAIN PLANET'
- 'BART SIMPSON vs. THE SPACE MUTANTS'

£349.99

2MB CHIPRAM VERSION £379.99

GAZZA 'CARTOON CLASSICS EXTRA' PACK

limps to Evesham Micros in our brilliant value Classics Extra Pack!

TOTAL OF 22 MEGA GAMES!

Features Amiga 500+ 'Cartoon Classics' Pack as detailed above, plus Virus Protector, Mouse Mat, Top Quality Joystick plus 19 FABULOUS GAMES including:-

'GAZZA 2'	'CARDIAXX'	'SUBBUTOE'
'Battle Squadron'	'NIGEL MANSELL'	'ASTERIX'
'Germ Crazy'	'High Steel'	'The Ball Game'
'Diet Riot'	'Night Walk'	'Block Alliance'
'Treasure Trap'	'Lost N' Maze'	'DiskMan'
'Tank Battle'	AND..... 'Text Plus' spellchecking wordprocessor and 'Scalc' spreadsheet	

Commodore A590 20Mb Hard Drive £299.99 A590 1Mb RAM Upgrade £59.95 Amiga 1500 Starter Pack (1Mb RAM 2x3.5" Colour Monitor, DPaint 3, Platinum Works, Home Accounts, 3 x Games, etc.) £949.00

A590 512K RAM Upgrade £29.95 A590 2Mb RAM Upgrade £99.95

£369.99

2MB CHIPRAM VERSION £399.99

REPLACEMENT AMIGA 500 INTERNAL 3.5" DRIVE KIT


Fully compatible, with 1Mb unformatted capacity. Straightforward installation procedure. Kit includes full fitting instructions.



ONLY £39.99

TRACKBALL

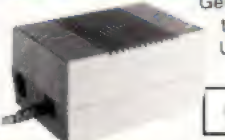
High performance trackball, directly compatible to any Amiga or Atari ST. Plugs into mouse or joystick port. Super-smooth and accurate - you probably won't want to use a mouse again after using this Trackball! Full one-handed control. Top quality opto-mechanical design, giving high speed and accuracy every time. No driver software needed!



ONLY £29.95

REPLACEMENT A500 PSU

Genuine Commodore Amiga A500 type replacement Power Supply Unit. Good quality 'switch mode' type. Super low price!



ONLY £39.95

STEREO SOUND SAMPLER

Offering full compatibility with almost any Amiga audio system package, our Sound Sampler features excellent circuitry, yielding professional results. The main A/D converter gives a digitising resolution of up to 50kHz, with a fast slew rate. Two phono sockets are provided for stereo line input, plus an option for microphone. Adjustable gain is achieved with built-in control knob. Complete with public domain disk containing sound sampling applications & utilities.



ONLY £29.95

MIDI INTERFACE

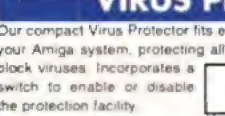
Our fully compatible, high quality MIDI interface connects directly with the Amiga serial port and provides IN, OUT & THRU ports for good flexibility. Features LED indicators on each port for diagnostic purposes. Superb compact design!



ONLY £19.95

VIRUS PROTECTOR

Our compact Virus Protector fits easily to the Port of the last disk drive in your Amiga system, protecting all internal and external drives from boot block viruses. Incorporates a switch to enable or disable the protection facility.



ONLY £6.95

AMIGA 1500/2000 UPGRADES

HARD DRIVE / RAM UPGRADE BOARD KIT

Our hard drive kits include full size hard disk controller cards with unpopulated SIMMS RAM upgrade sockets for fitting up to 8Mb RAM, plus high speed, new technology NEC Hard disks.

40Mb HARD DRIVE & INTERFACE / RAM CARD £349.00

100Mb HARD DRIVE & INTERFACE / RAM CARD £499.00

PLEASE NOTE: These are empty RAM sockets. Add £80.00 per 2Mb RAM required.

VIDI-Amiga video digitiser package inc. VIDI-Chrome	£110.00
VIDI Complete Colour Solution Kit	£149.95
VIDI-RGB colour frame generation kit from B&W images	£64.95
Kickstart 1.3 Upgrade	£29.95
Amiga 500 Dust Cover	£4.95

PRINTERS

Prices Include VAT, Delivery and Connection Cable

Gold Star

REGISTERED DEALER

EVESHAM MICROS STAR PRINTERS INCLUDE 12 MONTHS ON-SITE WARRANTY

STAR LC20 9-Pin Printer

NEW SUCCESSOR TO THE STAR LC-10, WITH MANY FEATURES AND A FASTER PRINT SPEED

Providing superlative paper handling, four excellent NLQ fonts and a new super-fast print speed of 180cps in draft and 44 cps in NLQ, the LC20 appropriately supercedes the phenomenally successful LC10!



ONLY £139.99

Star LC 200 9-Pin Colour, 4 fonts, 180/145cps	£199.99
Star LC 24-10 24-Pin, 4 fonts, 180/60cps	£199.99
Star LC 24-200 24-Pin, 5 fonts, 200/67cps	£239.99
Star LC 24-200C 7 colour version of above	£269.99
Automatic Sheet Feeder for LC 10" printers (pls state model)	£64.95
NEW! Star XB24-200 COLOUR 24-pin, 80 col. power printer	£399.99
NEW! Star XB24-250 132 column version of XB24-200	£479.99

Citizen PRODOT-24 COLOUR

Professional 24-Pin COLOUR Printer

PROFESSIONAL 24-PIN COLOUR PRINTER - AT A BUDGET PRICE!

☐ Highly versatile letter quality printer ☐ 200 cps output in draft, 66 cps in LQ mode (5 true letter quality fonts) ☐ Full control from front panel ☐ Graphics res. 360 x 180dpi ☐ 2 Year Manufacturers Warranty

Normal RRP: £746.35 Inc. VAT



HURRY WHILE STOCKS LAST!

ONLY £249.00 Inc. VAT, Delivery and Cable

SOFTWARE

Citizen Swift-24E including COLOUR kit	£299.99
Olivetti JP-150 Inkjet good quality - exceptional value	£249.99
Olivetti JP-350 Inkjet excellent high speed 300dpi printer	£349.99
Hewlett-Packard Deskjet 500	£359.00
Hewlett-Packard Deskjet 500C (Colour)	£589.00
Epson LX400 budget 10" carriage 9-pin 180/25cps	£139.00
Epson LQ570 24-pin 180/60cps, 8k buffer	£289.00
NEC P20	£229.13
Panasonic KXP1124i updated 24-pin model 300/100cps	£279.00
Panasonic KXP1123 good value 24-pin model	£215.00

Deluxe Video 3	£84.95
MIR Backup	£29.95
AMOS	£37.50
HiSoft Lattice C	£199.00
GFA BASIC V3	£39.99
GFA BASIC Compiler	£34.95
Drawpak 2.15	£44.95
Deluxe Paint 4	£79.99
Disney Animation Studio	£69.95

Jason Holborn improves his graphics presentation, at home and work, with Digital Vision's latest video-titling package...

Scala 500

Video-titling Package

£99.95 ■ Digital Vision

TO MOST OF us, desktop video means one thing – video titling. Armed with a genlock and a copy of *Deluxe Paint*, even your grandmother could add titles to her home videos, however there's a lot more to video titling than first meets the eye. Anyone can plonk a screen full of text on to video, but – as many would-be Spielbergs soon discover – creating effective titles is almost an art form in itself.

There's a very thin line between a good set of video titles and a naff set of titles. What's more, you'd be surprised just how subtle the differences can be – the layout of text and the appropriate use of colour are only two of a whole range of factors that can effect the quality of your titles. Get these right and you'll have titles to be proud of, but get them wrong and your video production will look a mess.

One very important aspect of any titling system is the quality of your software. Programs like *DPaint* are great for producing artwork, but they're hardly ideal for generating professional-looking titles. For true titling flexibility, what you really need is a dedicated video titling package and – surprise, surprise – that's exactly what *Scala 500* is.

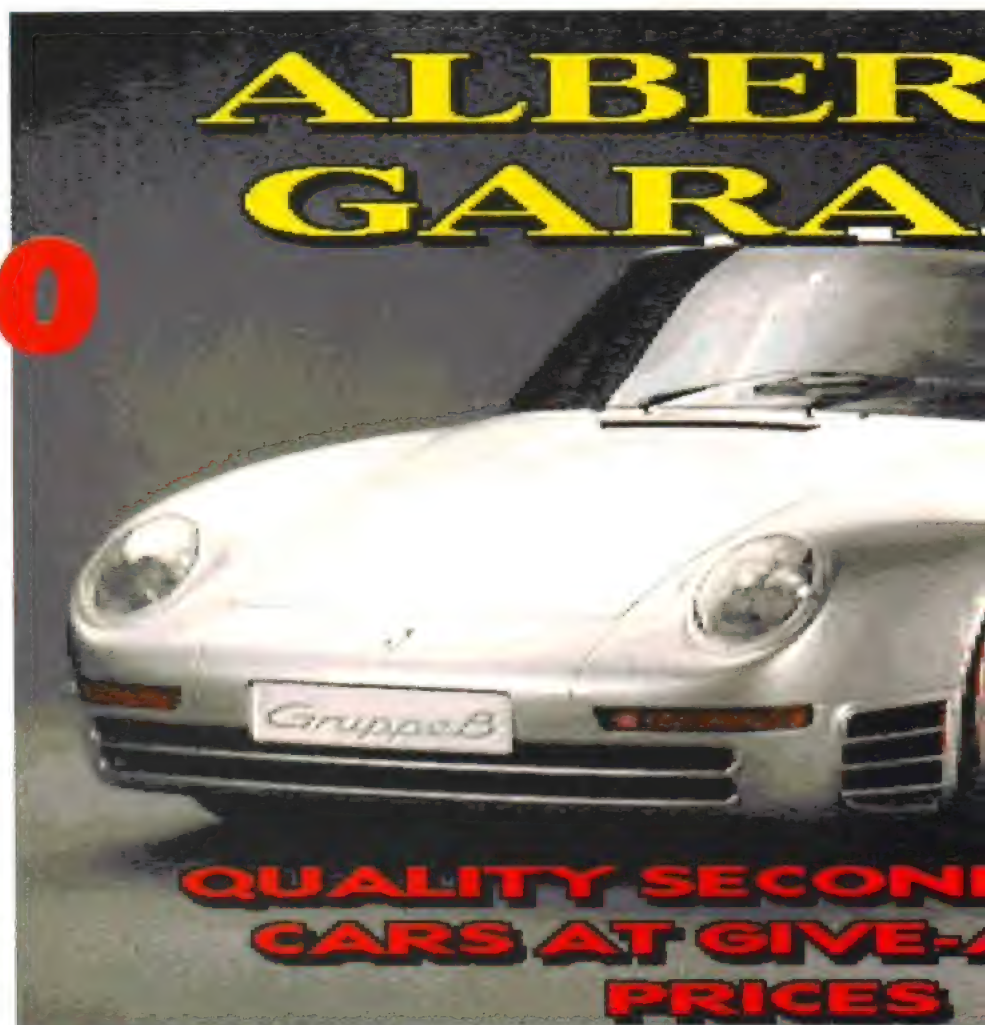
Based around Digital Visions' already well-established high-end presentation system *Scala*, *Scala 500* sacrifices some of the less useful interactive tools and concentrates instead on the job of video titling. It may share the same name, but don't expect *Scala 500* to do the same job as its big brother – applications such as interactive presentation are definitely out of the window. But for good old video titling, there's little to touch it.

Anyone who used the original *Scala* will notice immediately that something has been given the chop. For starters, *Scala 500* comes on only three disks as opposed to the original's eight. Five disks sounds like some rather severe cutting down, but don't worry – all the extra disks contained was little more than support files: extra fonts, clip art and background images – so their omission is no great loss.

The three *Scala 500* disks contain the main *Scala* program, a disk full of fonts in various type styles and sizes and a selection of brushes (clip art) and background images. The backgrounds bundled with the original *Scala* were pretty impressive, but their *Scala 500* equivalents are rather dull and – worse still – virtually all of them are low resolution only.

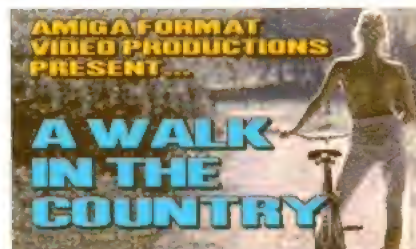
SCALA 500
Is available from
Silica Systems
081-309 1111

Scala 500 has arrived.
And it's truly dedicated to video-titling, whatever your needs; corporate or...



... last year's summer holiday, or any other piece of home video that you want to add snazzy graphics to.

You can load IFF pictures supplied with the package as background images, or create your own in *DPaint*.



TERMINATOR 3

DANNY DOES ON THE RAMPADE

An Amiga Format Video Production 1992

A decent selection of fonts are provided, but you can use any standard bitmapped font.

You really do need the highest possible screen resolution when working with video, so trash them straightaway!

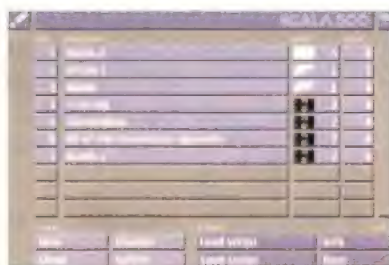
Scala 500 boots up into the now familiar *Scala* page screen. Apart from a couple of minor differences, *Scala 500*'s page screen is identical to that found within the professional version of *Scala*. The screen is split up into a horizontal grid which holds the pages that make up your presentation. Pages can be added, deleted and rearranged to your heart's content, giving you considerable control over the flow of your presentation.

When you first create a new page, *Scala* gives you the option to load a background image. These are just standard IFF pictures, so if you don't want to use those supplied with the package, you can draw your own using something like *DPaint*. If you do load a background, *Scala 500* automatically sets the resolution of the page to that of the background image. Although it can handle HAM images, try loading one and *Scala 500* promptly warns you against their use (put simply, text looks awful on HAM images!).

If you don't want to load a background image, *Scala 500* lets you choose the format of a new page yourself. All the usual screen modes are supported including low, medium and high resolution with a variety of colour and overscanning combinations. Surprisingly, though, colour support for high resolution extends no further than eight colours which is rather limiting.



Creating pages within *Scala 500* is a straightforward process. As long as you've got a decent selection of fonts, access to a paint package and some good ideas, some impressive results can be achieved.

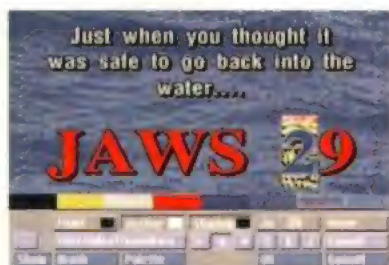


To create a new page, all you have to do is simply click on the 'New' gadget and *Scala 500* will automatically take you to the background requester shown here.



The background requester allows you to load any IFF image and use it as a backdrop for your page. If you load a backdrop, your new page will automatically take on the resolution of the

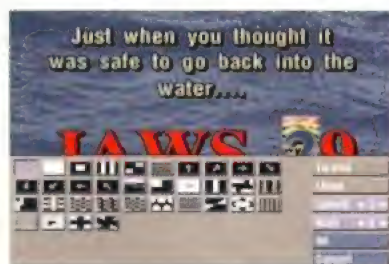
background image, but click on the 'OK' gadget without selecting a file and *Scala 500* will then give you the chance to control the resolution yourself.



Once your backdrop has loaded, you can then start overlaying text on top of it. *Scala 500* comes with a fairly respectable selection of fonts, but any standard Amiga bitmapped font can

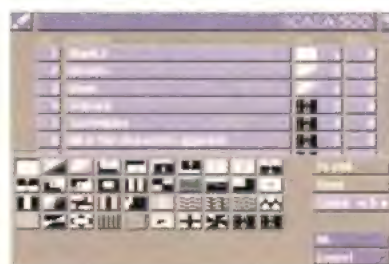
be used if you're not happy with those on offer.

Scala 500 gives you extensive control over text including the ability to change the face colour of text and its position at any time. You can also make text stand out that bit better by applying one of three effects to your text.



A variety of wipes and fades can be assigned to individual lines of text, giving you the ability to make text really stand out. You could, for example, create the title page for a film

that you have created and have the film's title smoothly scroll across the screen until it comes to rest in its final position.



Scala's wipes and fades aren't just restricted to individual lines of text or brushes. You can also apply wipes and fades that make the transition between two pages that bit more interesting. Just click on the wipe or fade that you require and it is automatically fixed to that frame.

One feature that really makes *Scala 500* shine is its powerful wipes and fades which allow you to produce the kind of video effects that we see everyday on the TV using your Amiga. These effects come in two flavours – page effects and object effects. Object effects apply to individual elements on the page (a line of text or a brush, for example), while the page effects are used as transitions between two separate pages.

The range of effects on offer is pretty impressive and they all look very smooth and professional when used. You can wipe and fade between frames using a variety of effects that do all manner of wondrous things to an image as it changes into another image. Surprisingly, *Scala 500* doesn't support horizontal text scrolling (the pros call it 'text crawling'), although vertical scrolling text can be achieved by scrolling several complete pages vertically.

Once a page is complete, you're returned to the page screen and the page is appended to the end of the list of pages currently loaded. From here you can now alter such aspects of the presentation including the amount of time that the frame is displayed, the wipe to be used and its order within your presentation. Once you're happy with your presentation, a single click on the 'Run!' gadget sets it all in motion.

On the whole, I must admit I like *Scala 500*. There are a few features that it still needs – horizontal scrolling of text and perhaps even an option to save individual pages out to disk as IFF files – but there's no doubt what's here is totally top notch. What's more, the user interface not only looks good, but it really is a joy to use. Even when viewed on a genlocked display, *Scala 500* remains totally usable.

The range of video titlers available for the Amiga is not yet comprehensive, so the arrival of *Scala 500* is great news for both amateur and even professional video enthusiasts. In fact, in the home market it now represents just about the best video-titling package available, and even in the professional market it still manages to give programs like *Broadcast Titler* a run for their money. If you only intend to buy one piece of video software, then you won't go wrong if that piece is *Scala 500*.

Scala 500

SPEED ●●●●

Speed of operation is impressive. You are never left waiting for it to catch up with you.

DOCUMENTATION ●●

Plenty of tutorials. Often left on your own to discover what many features actually do.

ACCESSIBILITY ●●●●

Scala 500 is one of those programs that you can dive into and use almost immediately.

FEATURES ●●●●

Scala 500 puts at your fingertips a healthy selection of video-titling tools.

VALUE ●●●●●

Zippy even on an unaccelerated Amiga, works with all models.

Verdict **82%**

Once you've chosen your background, all that remains is to start adding some text. First choose the font you want – *Scala 500* comes with a fairly respectable selection of fonts which are adequate for most uses, but none of them are particularly big, especially when you're working in high resolution. Thankfully, you can use any standard bitmapped font with *Scala*, so the range of fonts available is limited only by your ability to source decent fonts.

Entering text onto your page is simplicity itself. Just like *DPaint*, *Scala 500* presents you with a cursor which can be positioned anywhere on the screen. Once you're happy with its position, just type away and the text will appear rendered in the font that you chose earlier. Unlike *DPaint*, once text is entered, you can still edit it like you would in a word processor. What's more, if you're not happy with its position, you can simply pick it up and drop it down wherever you want on the page.

Mono text can look boring, so you can spruce it up using *Scala's* text effects. These include outline, shadow and 3D extrusion, all of which are fully configurable, allowing you to control the colour, thickness and position of these three effects.

Titling isn't restricted to text – you can place graphics onto your pages in standard IFF brushes. This could be anything; a picture of you (the director) to a company logo etc. If the palette of the brush you want to use doesn't match the palette of your background image, *Scala 500* will automatically attempt to remap the brush's palette to make it more usable.

FED UP WAITING?

**JUST ADD £2.00 TO YOUR TOTAL
ORDER FOR A GUARANTEED
NEXT DAY DELIVERY TO YOUR DOOR**

(*ORDERS MUST BE PLACED BEFORE 3.30pm excluding Weekends)



COMPUTER MATES (UK) LTD.

**Fastest
Mail Order Company
on Earth**



**CHEQUE/POSTAL ORDERS TO:
COMPUTER MATES (UK) LTD.
PINWOOD STUDIOS, IVER HEATH
BUCKS, SL0 0NH
TEL: 0753 553535 (3 Lines) FAX: 0753 553530**

ALL PRICES INCLUDE V.A.T & DELIVERY

MITSUBISHI BRANDED DISKS

BOX/10	5.25 M-2D	5.25 1.6 Meg M-2HD	1 MEG MF-2DD	2 MEG MF-2HD
1-5	5.00	7.00	7.00	14.00
6-10	4.50	6.50	6.50	13.00

FREE GIFTS

when you buy MITSUBISHI BRANDED

1 BOX — MOUSE MAT — 5 BOXES —
50 CAPACITY STORAGE BOX

NEW JUST APPOINTED DEALER



GOLD MASTER BRANDED 2 FOR 1 LIFE TIME WARRANTY

	1 MEG MF2DD	1 MEG MF2DD RAINBOW	2 MEG MF2HD	2 MEG MF2HD RAINBOW
1 BOX	6.50	7.50	13.00	14.00
2-5 BOXES	6.00	7.00	12.50	13.50
6-10 BOXES	5.50	6.75	12.00	13.00

Rainbow Colours — White, Red, Green, Orange, Yellow

3.5" MITSUBISHI BULK MEDIA LIFE TIME WARRANTY

	DSDD	DSHD
50 Disks	£18.50	£32.50
100 Disks	£35.50	£63.50
200 Disks	£68.50	£125.50
500 Disks	£152.50	£295.50
1000 Disks	£295.50	£580.50

INCLUDING LABELS

5.25" BULK DISKS Packed in 25's with Envelopes, Labels, Lifetime Warranty

	48tpi	96tpi	HD
25 Disks	£8.50	£8.75	£12.00
50 Disks	£16.00	£16.25	£23.00
100 Disks	£28.00	£27.25	£36.00
1000+ PLEASE CALL			

COLOURED DISKS LIFE TIME WARRANTY

5.25"	48/96tpi DSDD	1.6 Meg DSHD	3.5"	1 Meg DSDD	2 Meg DSHD
25 Disks	£9.00	£16.00		£12.00	£20.00
50 Disks	£17.50	£30.00		£20.00	£35.00
100 Disks	£31.00	£51.00		£39.00	£68.00

Includes labels, for available colours please call.
Normally Red, Green, Yellow, White & Orange

NEW NEW NEW NEW

COMPUTER MATES BRANDED DISKS

2 FOR 1 LIFE TIME WARRANTY

3.5" DISKS

	DSDD	DSHD	DSDD	DSHD
50 Disks	£21.00	£35.00	£24.00	£38.00
100 Disks	£41.00	£69.00	£43.00	£75.00
200 Disks	£80.00	£137.00	£83.00	£143.00
500 Disks	£182.00	£325.00	£185.00	£331.00

COLOURED

MICE/TRACKERBALLS

PC/XT/AT MOUSE	£20.00
PS2 MOUSE	£21.00
AMIGA/COMMODORE	£19.00
ATARI MOUSE	£19.00
ATARI/AMIGA TRACKBALL	£22.00
PC/XT/AT TRACKBALL	£22.00
MOUSE MAT	£22.50
MOUSE POCKET	£2.50
MOUSE STAGE	£10.00
MOUSE MAT HARD	£3.50
PAPER TRIMMER	£5.00

Victory

STORAGE BOXES

3.5"		5.25"	
120 Cap	£9.50	140 Cap	£8.75
100 Cap	£7.90	120 Cap	£8.25
80 Cap	£7.50	100 Cap	£7.50
50 Cap	£6.50	50 Cap	£6.50
40 Cap	£6.00	20 Cap 3.5"	£4.00

ALL ABOVE BOXES LOCKABLE + 2 KEYS.

£2 OFF BOXES WHEN ORDERING 100 DISKS OR MORE

10 Cap	£1.50	10 Cap	£1.50
5 Cap	£1.15	5 Cap	£1.00
1 Cap	£0.50		

SPECIAL OFFERS THIS MONTH

LOOK SAVE YOUR EYES

12" or 14" COLOUR OR MONO FILTER SCREEN	
SAVE YOUR EYES	Only £13.99
12" or 14" TILT & TURN WITH HANDY KNOB	
MONITOR STAND	£15.95
A4 DESK TOP COPY HOLDER	£8.00

PRINTER STANDS 5 DIFFERENT TYPES

PRINTER STAND (Feet)	
80 OR 132 COLUMN	£8.00
IBM PRINTER LEADS	£5.00

JOYSTICKS ALL MACHINES P/C

LABELS 5.25" OR 3.5" (5.25 WITH W/P)
100 £1.00, 1000 £8.00
SINGLE OR MULTICOLOUR AVAILABLE

COMPUTER DESK £90.00



COMPUTER CHAIR £40.00

DUST COVERS

PC XT, AT+MONITOR	£6.00
12" or 14" MONITOR	£6.00
80 or 132 PRINTER	£6.00
LAZER PRINTER	£6.00
84 OR 102 KEYBOARD	£6.00
TOWER CPU	£6.00

CLEANING ACCESSORIES

MINI VACUUM CLEANER	£7.00
HEAD CLEANER 3.5" OR 5.25"	£2.50
MONITOR CLEANING SOLUTION	£3.00
ALL THE ABOVE & MORE	£11.00
3" CLEANING KIT	£3.00

DATA SWITCH BOXES

CENTRONICS OR SERIAL	
2 WAY	15.00
4 WAY	20.00
DATA SWITCH LEADS	8.00 each

SORRY! SORRY! SORRY!

WE DO NOT PRICE MATCH BUT WE DO GIVE QUANTITY DISCOUNT, WITH SERVICE, QUALITY AND BACKING FROM THE LARGEST DISK MANUFACTURERS IN THE WORLD. IN ADDITION OVER 200 LINES OF PERIPHERALS IN STOCK. ASK FOR OUR COLOUR CATALOGUE & PRICE LIST WITH YOUR ORDER OR SEND 24p S.A.E.

**CALL SAM OR PAT NOW!
ON 0753 553535**

BLUE BOX PRODUCTS

ALL BLUE BOX PRODUCTS ARE COMPLETELY PACKAGED IN PRINTED CARDBOARD BOXES WITH LABELS. 100% GUARANTEED

BAMBI-2DD 1 MEG	MF-2DD 30's 1 MEG	MF-2DD 10's 1 MEG	M-2D 48TPI 10's	M-2D 96TPI 10's
25 DSDD 3 1/2" IN 25 CAP STORAGE BOX	30 DSDD 3 1/2"	10 3 1/2" DSDD	10 DSDD 5 1/4"	10 DSDD 5 1/4"
1 BOX £14.00	1 BOX £14.00	1 BOX £6.00	1 BOX £4.25	1 BOX £4.75
2+ £13.00	2+ £13.00	2+ £5.00	2+ £3.75	2+ £4.25
5+ £11.00	5+ £11.00	5+ £4.50	5+ £3.25	5+ £3.75
BAMBI-2HD 2 MEG	MF-2HD 30's 2 MEG	MF-2HD 10's 2 MEG	M-2HD 10's 1.6 MEG	
25 DSHD 3 1/2" IN 25 CAP STORAGE BOX	30 DSHD 3 1/2"	10 5 1/2" DSHD	10 DSHD 5 1/4"	
1 BOX £21.00	1 BOX £21.00	1 BOX £8.50	1 BOX £6.50	
2+ £20.00	2+ £20.00	2+ £8.00	2+ £6.00	
5+ £18.50	5+ £18.50	5+ £7.00	5+ £5.00	

DATA CARTRIDGES

DC 2000	£18.00
DC 300 XLP	£18.00
DC 600A	£19.50
DC 6150	£20.00
DC 6250	£21.00

FED UP WAITING?

**ALL ORDERS ARE NORMALLY DELIVERED
TO YOU WITHIN 48 HOURS**

**THIS MONTH'S
SPECIAL OFFER**
1Mb Cricket
only £6.99
Amiga Only

Please make cheques and/or postal orders payable to: Lazer Software
Credit card orders taken. 75p postage and packing. EEC countries add £2.00 per item. Non EEC countries add £3.00 per item.
All items subject to availability. E. & O. E.

MICRO WEST

DEPT AF, 8 ST JOHN ST.
WELLS, SOMERSET.
BA5 1SW (MAIL ORDER)

24 ORDER TELEPHONE/FAX
HR HOTLINE 0749 670663

Access Switchable voice/fax line **0983 551496** Open 10am-7pm
Monday to Saturday **VISA**

ACCOUNTS		EDUCATION		INTEGRATED PACKAGES		Superplan UTILITIES	
Arena Integrated Ac	99.64	Distant Suns 4	59.69	Appelizer	30.55	Am-Back SCSI Backup	49.82
Cashbook Combination	54.99	Maths Adventure	24.91	Graphics Starter Kit	56.40	B.A.D. Optimiser	34.78
Cashbook Controller	37.60	Mega Maths A Level	24.44	Office By Gold Disk	69.56	BBC Emulator	35.72
EasyLedgers	153.46	Micro English (GCSE)	23.97	The Works Platinum	69.56	Byte 'N' Back	19.74
Home Accounts 2	39.95	Micro French (GCSE)	23.97	MULTIMEDIA		CrossDOS Transfer	24.91
Personal Finance Mgr	25.65	Micro Maths (GCSE)	23.97	AmigaVision (CBM)	95.88	Directory Manager	35.72
System 2 Integrated	39.95	Money Matters UK-6	19.74	HyperBook	49.82	Disk Master 2	49.82
BOOKS 40 Lines Stocked		My Paint 2	24.91	AmigaVision (CBM)	95.88	Doctor Ami	40.89
68000 Asm Lan Prgrmg	21.95	Picture Book 48	19.74	PROGRAMMING		GB Route Plus	59.69
Amiga Basic In/Out	18.95	Primary Maths	24.44	AMOS Compiler	24.91	Mavis Beacon Typing	27.73
Amiga C Beginners	18.45	EDITORS		AMOS Creator	34.78	Personal Fonts Maker	49.82
Amiga For Beginners	15.95	CygnusEd Pro 2	59.69	ARexx	33.84	Quarterback Tools	59.69
Assembly Lang Prog	14.95	Turbo Text	59.69	C PD (5 disks)	9.87	TurboPrint Pro	44.65
CBM ROM Kt Inc's & DOS	29.95	GRAPHICS		Devpac 2 Assembler	43.71	VIDEO	
CBM Hardware Rf Mnt	21.95	Animation Studio	79.90	Devpac 3 Assembler	54.99	Broadcast Teller	184.01
CBM ROM Kt Libraries	29.95	Deluxe Photolab	56.40	GFA Basic Compiler	29.97	Digi View Gold 4	109.98
CBM ROM Kt Devices	29.95	Deluxe Paint 3	49.82	GFA Basic Intdrv	29.61	GO Fonts; Decor 1	64.86
CBM Service M1 A500	14.95	Deluxe Paint 4	64.86	Highspeed Pascal	84.60	Hitch Camera/Lens	204.45
CBM Schem. A2000/6	14.95	Deluxe Video 3	69.56	HiSoft Bas. Compiler	57.61	Home Teller	34.78
CBM AmigaDOS manual	21.95	Digi Paint 3	54.05	Lattice C 5.1	159.80	Rendite 8802 Genlock	189.85
Kids And The Amiga	14.95	Imagine 3D Modelling	169.67	Logo	49.82	Rocgen Genlock	99.64
Using Amiga On Amiga	32.45	Pixmate	39.95	Pascal PD	2.82	Scala Presentations	179.54
CABLES 100 Lines Stocked		Real 3D 1.3	119.85	RIBBONS		Scala 500	79.90
D23S-D9P TBM CGA	12.22	Real 3D Turbo 2Mb	329.94	6 CBM MPS1230	25.38	ShowMaker	229.83
D23S-D15S NEC MS 3D 14.10		Scene Generator	35.72	6 CBM MPS1500	31.02	Video Ease Teller	37.60
D23S-D23P Extension	13.63	Scenery Animator	69.56	3 CBM MPS1500 Colour	36.66	Video Teller	84.60
D23S-2 Photo-Scan	11.75	Sculpt Animat 4D 2Mb	337.23	6 Citizen 1200	19.74	Video Complete Solu	159.80
D25P-C36P 2M Printer	6.58	Sharp Colour Scanner	599.72	SOUND		WORDPROCESSORS	
D25P-D25P 9W 2M Mod 11.28		Take 2 Animation	89.77	Audiomaster 4 s/w	49.82	Excellence 2	69.56
D25P-D25P 25W 2M	13.16	HARDWARE		Audiomaster 3 s/w	49.82	Final Copy WP/DTP	79.90
DINSP-DINSP Mid.	5.17	1Mb A500 RAM Exp	54.99	Bars & Pipes Pro	219.96	Kindword 2	36.66
Gender Changers	7.99	3.5" External Drive	58.75	Deluxe Music	54.99	PenPal	59.69
Joystick/mouse switch	17.86	512K A2000 RAM/Drive	29.61	GVP Dig. Sound Studio	59.69	Personal Write	29.61
Null Modem Cable 2M	12.22	Amiga 1500 & S/W	579.96	MIDI Plug Interface	25.38	Protect 5.5	101.99
Socket D23S & Hood	5.17	Amiga 1500 & 2 drives	519.82	Music X Junior	66.27	ProWrite 4.3	49.82
Switch Box D25S x 2	19.74	Amiga 1500 & 1 drive	489.74	Sequencer One	74.73	ProWrite 3.7	99.64
COMMUNICATIONS		Amiga 3000 16:40	1999.85	Sonia 2 Composer	49.82	QuickWrite	39.95
Comms PD (2 disks)	4.70	Chip CIA 8520A	14.57	Sound Trap 3 Sampler	30.55	Scrubble Platinum	42.77
COMPUTER AIDED DESIGN		Chip ECS Denise	39.95	Sound Master Sampler	109.98	TransWrite	32.90
Professional Draw 2	89.77	Chip ECS ROM 2.04	34.78	Stem Master Sampler	34.78	WordPerfect	189.88
X CAD 2000	99.64	Chip Fatter Agnus 1Mb	61.10	SuperJAM! Composer	89.77	Wordworth	87.89
DATABASE MANAGERS		Chip ROM 1.3	30.55	SPREADSHEETS			
HomeBase	29.61	GVP 68030 22MHz	539.56	Advantage	69.56		
Image Finder	49.82	1.13Mb	539.56	DGCals 512x52	30.55		
InfoFile	46.06	GVP 68030 50MHz	1549.59				
Mailshot Plus	39.01	GVP A2000 SCSI	169.67				
Prodata 1.2x	59.56	GVP A2000 52Mb	279.65				
Superbase Personal	26.79	GVP A2000 105Mb	469.53				
Superbase Personal 2	34.78	0-8Mb	469.53				
Superbase Pro 4	189.88	GVP A2000 2.6Mb RAM	169.67				
DESKTOP PUBLISHING		GVP A500 52Mb 0-8Mb	369.89				
AmigaTeX Drivers (1)	52.64	GVP A500 105Mb	559.77				
AmigaTeX Typesetting	111.39	Naksha Mouse & Game	29.61				
Gold Disk Type (each)	32.90	Quantum 52Mb SCSI HD	199.75				
Outline Fonts	99.64	RAM Chip 256K CMOS	6.11				
PageSetter 2	45.59	RAM SIMM 1Mb	34.78				
Pagestream 2.2	169.67	ROM Shaver	24.91				
Pro Clips Str. Art	23.97	SCSI HD Calt & PSU	119.85				
Pro Page 2.2 2Mb	169.67	SuperRAM A500 1-8Mb	139.59				
Saxon Publisher 2Mb	199.75						
DUST COVERS							
Monitors 14" 1084/8833	9.87						
Amiga 500	7.99						

AMIGA 500 512K + 10 Game Pack + Photon Paint 2.0 +

GFA Basic V3.5£289.99

A500+ CARTOON CLASSICS

IMb + Simpsons, Capt Planet, Lemmings, DPaint III etc + Free Joystick.....£359.99

AMIGA 1500 HOME ACCOUNTS PACK

Amiga 1500 Computer IMb RAM and 2x3" floppy disk drives) + Software inc. Home Acc. DPaint III, Time Works, Toki, Elf.....£559.99

With 14" Colour Monitor.....£809.99

AMIGA 2000 'PERSONAL VIDEO PRODUCER'

Amiga 2000 Computer IMb RAM 40Mb SCSI HD + 3" Floppy) + A2300 Internal Genlock + Video Cable + Scala and DPaint III Software.....£1199.99

16 NIGHTS FREE
HOLIDAY ACCOMMODATION
WITH EVERY AMIGA SOLD

PRICES CORRECT AT TIME OF GOING TO PRESS, BUT MAY CHANGE WITHOUT NOTICE. E & OE

PRICES INCLUDE VAT -
Postage add £3.50/ Courier £9.00

PERIPHERALS & ACCESSORIES

CITIZEN 1200+ 9-pin Mono Printer£119

CITIZEN 224 24-pin Mono Printer£212

CITIZEN ProDot 9-pin Colour Printer£205

CITIZEN Swift 24e 24-pin Colour Printer.....£285

COMMODORE MPS1270 Ink Jet Printer.....£145

SEKOSHA SP1900 Plus 9-pin Printer£115

SHARP JX-9500H Laser Printer.....£865

SHARP JX-9500PS (6ppm-300 dpi) Postscript Laser Printer£1560

PRINTER STARTER PACKS WITH ABOVE PRINTERS FOR JUST £9.99!!!

(inc Parallel Cable, Paper, Labels, Drivers etc)

SHARP JX-100 Scanner + Scanlab s/ware

(Works with any 1Mb Amiga).....£540

GVP Digital Sound Studio Sampler.....£54.95

GVP Series II 52Mb Hard Disk Drive

with 2 year warranty.....£365

ICD AdSpeed-full feature 14.3MHz plug-in accelerator for 68000 based Amigas.....£175

AMIGA FORMAT

136

APRIL 1992

AMERICAS LARGEST SUPPLIER OF AMIGA CUSTOM CHIPS + UPGRADES

8372A (PAL) 1 Meg Agnus	£31.30	5719 Gary	£10.44
8372B (PAL) 2 Meg Agnus	£46.40	8362 Denise i bright	£13.90
1.3 Kickstart ROM	£19.70	1 x 4/80 Static Column Zip	£15.60
A500 Keyboard-factory new	£40.60	8520A CIA (2MHz) Great price	£6.35
A500 PC Motherboard-PAL, populated & tested - complete	£115.40		
A2000 PC Motherboard-PAL, populated & tested - Includes the 1.3 Rom, 8372A 1 Meg Agnus & Super Denise 8373 installed (factory new)	£301.60		

UPGRADE YOUR A500 TO THE A500 PLUS 8373 SUPER DENISE - £22.80

Add productivity mode, superhi-res mode, scan mode, genlock capability & superhi-res capabilities

2.0 Upgrade Kit: Just released. Contains ROM, 1,000 page manual and diskettes£50.75

STU (System Test Utility): Very popular complete diagnostic trouble-shooting program for all Amiga computers£19.20

Amiga Diagnostician: Diagnose up to 28 common problems. Comes with diagnostic software and booklet. Save time & money by locating faulty chips yourself£9.86

The Final Test: Diagnostic diskette tests keyboard, display, graphics, Workbench, sound, timing, realtime clock, RAM, etc. (12 diagnostic programs in all).....£6.95

Agnus (PLCC) Burndy Professional Chip Puller: (Commodore approved).....£7.60

MegaChip 2000 by DKB: Upgrade your A500/A1500/A2000 to 2Mb of chip RAM. Includes 2 meg Agnus, chip puller & "Final Test" diagnostic diskette (no soldering). Same 8372B chip used in A3000£173.40

Buy the MegaChip from us and we'll give you the new Super Denise for.....£17.00

SwitchIt! by Global Upgrades Inc. Electronic ROM selector switch for 1.3 or 2.0. Makes all your software compatible. Keyboard or mouse controlled. Does not overlap the 68000 - allows for accelerator (2.0 compatible).....£24.10

A500 PLUS RAM EXPANSION

AdRAM 510 by ICD: Take your A500 Plus up to 2Mb of fast RAM (inc battery) Newly designed just for the NEW 500 PLUS.....£47.50

AdRAM 540 for A500 by ICD: Add up to 4 megs of RAM with battery backup internally in your A500. 1 Meg/2 Megs£74.20/£95.15

AdSpeed by ICD: Best accelerator in its price range£118.90

Flicker Free Video by ICD: Eliminates interlace flicker.....£163.50

Flicker Fixer by Microway (PAL)£130.50

DO NOT FEAR!

Buying directly from the U.S with your credit card offers you the same protection as it does in the U.K. with the added benefit of saving lots of money. Deal directly with North America's largest distributor of custom Commodore & Amiga parts and chips. The Grapevine Group has been successfully servicing the U.K. and the Continent for 12 years. All our parts and chips are new and guaranteed for 90 days.

PRICES JUST REDUCED

THE GRAPEVINE GROUP INC.
3 Chestnut Street, Suffern, New York 10901 U.S.A.
International Fax: 0101-914-357-6243
Customer Order Line: 0101-914-357-2424
Telephone Hours: 1pm to 11pm Mon-Fri British time

Prices subject to change. **International Orders:** If your order is over £40 send or fax front of credit card. **Air Parcel Charges:** All chips - £5.36 Keyboard & PCBoard - £8.40 2.0 Kit - £22.62

NO VAT NECESSARY

AMERICAN EXPRESS

VISA

KINGSTON, SURREY

Major stockist for all Commodore products including Amiga and CDTV.

Over 2,000 sq. feet of computer software and hardware for Commodore, Atari and PC.

Our enthusiastic staff also insist that we stock a complete range of Sega, Nintendo and Lynx consoles.

NEW STORE OPENING SOON!

BARKMAN COMPUTER SERVICES
First Floor, Cardinals Market Place,
Kingston, Surrey.
081-546 5941

Here's a utility that will allow you to view and work on all of your 3D creations without loading the software you used to create them.

Brian Larkman finds a new friend...

SOME PROGRAMS ARE a joy to use. They make you smile and constantly surprise you. *Pixel 3D version 2* is that sort of software. The original was one of the crowd, converting bitmaps into 3D objects with very little fuss, probably the best of a mundane bunch of utilities. But now it has matured into a more characterful individual. As well as transforming bitmaps into a wonderful range of sophisticated objects, it can also act as an object interchange. It will allow virtually any format of 3D object to be loaded, rotated freely and viewed as a solid, then saved. If you work in 3D it is the one essential utility.

Pixel 3D 2 can be launched from the back-up or dragged straight to a hard disk drawer and used from there. If you want to work in colour with large bitmaps you will need lots of memory and acceleration. A version of the program for use with an FPU is included. The manual describes all the features fully, and four useful tutorials are included. The program is very intuitive and is easy to use except for the Bitmap Configuration requester. Even that is easy once you have done the tutorials.

The main working screen is illustrated. All controls are icons contained in a band across the bottom of the screen. No menus are used. Loaded or converted objects are displayed in the top section. A combination of the four display modes can be selected: wire – wire frame; solid – wire frame with hidden line removal; shade – shaded, with or without wire; colour – either wire or shaded.

Objects can be moved, zoomed and rotated as 'bounding boxes' using the mouse à la *Caligari*, which makes for quick fluid viewing from any angle. Directions of rotation, move and zoom are controlled by buttons in the centre of the control panel.

3D objects can be loaded and saved in almost any format currently in use on the Amiga. *LightWave*, *Imagine*, *3D Professional*, *Sculpt*, *Turbo Silver*, *Videoscape* and *DXF* - AutoCAD (save only) are supported. The only omission seems to be *Real 3D*. A converter for *Sculpt* objects is supplied with *Real*, but colour information is not converted so proper support would be welcome. Support for the Renderman 'RIB' format would also be invaluable if it encouraged more Amiga 3D software developers to start using it.

The power of *Pixel 3D* to load, view and save so many formats is remarkable. Object libraries will now be simple to manage. Every object you ever made is available for any program and all can be viewed with ease in one utility. Almost as a bonus, the program also does excellent bitmap-to-3D conversions.

Pixel 3D version 2 will import any IFF

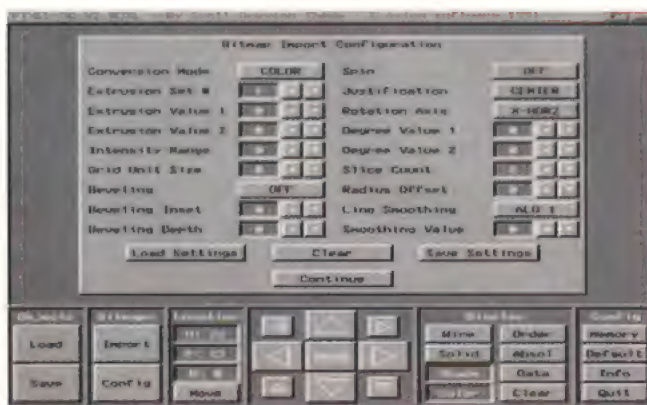
PIXEL 3D 2 is available from Silica 081 309 1111

It can sometimes take several hours to put a bevel onto text or logos in a 'normal' 3D package. In *Pixel 3D* it takes moments.



Pixel 3D 2

3D Utility ■ £95 ■ AXIOM



During extrusion, objects can be transformed, based on this configuration requester. Beveling, variable extrusion based on colour and intensity, spinning and twisting can all be controlled and applied from here.

image up to 32 colours (no HAM or 24-bit), including interlaced, overscanned and super bitmaps. It is better to remove isolated pixels and smooth edges on the bitmap before conversion to save memory. Nevertheless, it can handle very ragged pictures. Adjustable line smoothing algorithms are used to eliminate the jaggies at the edges of bitmaps and along colour boundaries automatically. The original algorithm from the first version is used again, but supplemented with a second method and a number of data reduction functions to remove duplicate points and optimise side numbers for *LightWave* and *Videoscape*.

All converted objects can be extruded by

any amount. During this process a number of new tricks can be performed. Any object can have a bevel applied to its front face for sophisticated lettering and logos. Different colours can be extruded by varying amounts, either manually (where you select each value) or automatically (according to colour intensity). Even more spectacular results are obtained by spinning or twisting the extrusion around any axis.

Pixel 3D 2 has its faults. It is not happy multi-tasking; returning from another resolution you find a real mess and rebooting seems the only solution. The file requester also has a glitch, and why can't the .info files not be excluded? Also, it is about time someone came up with a picture file requester that provided a preview of the image. When setting up manual, variable colour extrusions it would be nice to see the palette and colour numbers for the bitmap.

These are quibbles. *Pixel 3D 2* is by far the best, easiest to use 3D utility for the Amiga. Whatever you use, bin it and buy this!



Spinning and twisting the bitmap can produce objects difficult or impossible to make in other packages.

Pixel 3D 2

SPEED ●●●●●
As with all 3D programs, if you want to get the most out of *Pixel* an accelerator is necessary.

DOCUMENTATION ●●●●●
A fairly short manual is included, but it's pretty extensive and includes tutorials.

ACCESSIBILITY ●●●●●
The program is very intuitive to use and all its features are more or less obvious.

FEATURES ●●●●●
Quite remarkable. This is possibly the only 3D utility that you will need.

VALUE ●●●
Cheap file interchange with bitmap conversion as a bonus.

AMIGA GOLD 95%
FORMAT

CALLERS WELCOME AT OUR BRANCHES OPEN 9-5.30, MONDAY TO SATURDAY

PRICES SLASHED!!!
AMIGAS FROM
ONLY £279

WANT MORE
GAMES
OR OTHER
EXTRAS?

JUST ASK & WE GUARANTEE TO BEAT THE COMPETITION
WITH THE BEST PRICE AT THE BEST PRICE!

ST ALBANS
SUNDAYS
10.00AM - 4.30PM

Hobbyte

COMPUTING
ESTABLISHED 11 YEARS

10 MARKET PLACE ST. ALBANS
HERTS AL3 5DG TEL (0727) 56005/41396
THE GALLERY ARNDALE CENTRE LUTON,
BEDS LU1 2PG TEL (0582) 457195/411281

HOW TO USE THIS AD
For the first time ever, you can choose your own Amiga and software combination, and still benefit from the huge savings only available from package deals.
Want an A500 with 1500 software?
No problem!
Like an A1500 without games?
It's up to you!
All we ask is that you choose at least 1 software pack when you order your hardware (optional on CDTV or A3000)

AMIGA 500 1.3

Full UK spec, inc. mouse, power supply, all leads & manuals, etc.

	ALONE	WITH MONITOR
512K	279.00	478.00
1MB	299.00	498.00

AMIGA 3000

25MHz, 100MB HD, 4MB Fast RAM, 2MB chip RAM
• SCALA • Deluxe Paint IV

	ALONE	WITH PHILIPS 7CM 3279
	3289.00	3539.00

STARTER PACK I

	VALUE/RRP
• 10 Blank Discs	6.99
• Disc Box	2.99
• Mouse Mat	4.99
• Photon Paint II or Dpaint II	89.99
• Homepack including Word processor, spreadsheet, Database	
• Virus Killer Disk	4.99
• Holiday Accommodation*	LOTS!
TOTAL VALUE	119.94
	+ HOLIDAY!

WITH AMIGA/CDTV 12.99
SEPARATELY 19.99

STARTER PACK II

	VALUE/RRP
• Astra 10 games pack	229.78
• G.F.A. Basic	50.00
• Photon Paint II	89.95
• Holiday Accommodation*	
TOTAL VALUE	369.73
	+ HOLIDAY

WITH AMIGA/CDTV 17.99
SEPARATELY 34.99

*While stocks last, entitles 2 people to stay up to 16 nights in over 250 hotels in Great Britain, S.Ireland and France. All you have to pay for is breakfast and dinner.

NO OTHER DEALER CAN BEAT OUR CREDENTIALS

- 8+ years experience in Commodore product and here to stay
- Commodore trained staff are friendly and helpful and are parents, multimedia educational games, programming or technical specialists (usually more than one!)
- Open 9-6 pm Monday to Saturday and 10.00 am to 4.30 pm Sundays for convenient shopping.
- Callers welcome for advice and demonstration at our 1600+ sq ft High St, Town Centre branches
- Next day delivery for most orders received by 5 pm; express 7 am-9 am and Saturday services available
- Hardware carefully handled and delivered safely and reliably by caged, insured, top name courier service
- Free 30 day, next day courier collection and delivery of NEW replacement
- Hotline support and in house engineers
- Extended warranty available on many products
- Upgrade and trade in offers to keep you up to date
- Exceptional after sales service

COMMODORE PREMIER DEALER

Hobbyte proudly announce this highest CBM accolade, awarded to only the top few dozen CBM dealers offering the best in expertise and support. All Amigas full UK versions.

AMIGA 500 PLUS

Full UK spec, inc. mouse, power supply, leads & manuals, etc. inc. updated Agnus & Denise chips for better screen resolution to 1280x512, Kickstart & Workbench 2.04, expandable to 2MB CHIP memory & battery clock

	ALONE	WITH MONITOR
1MB	309.00	509.00
2MB	349.00	549.00

Zydec external drive with on/off & daisy chain port ADD 48.00
PCBBOB external drive with built-in anti-click & back-up device ADD 68.00

CARTOON CLASSICS GAMES PACK EXTRA (1MB REQUIRED)

	VALUE/RRP
• Cartoon Classics Games: Lemmings	25.99
• The Simpsons	24.99
• Captain Planet	25.99
• Deluxe Paint III with animation	79.99
• Home Pack including Word Processor, Spreadsheet, Database	9.99
• Virus Killer Disk	4.99
TOTAL VALUE	166.95

WITH AMIGA/CDTV 19.99
SEPARATELY 34.99

1500 PACK (CAN BE USED WITH A500, 1MB AND A500+)

	VALUE/RRP
• The Works Platinum, word processor, spreadsheet, database	169.95
• Deluxe Paint III with animation	79.99
• Get the most out of your Amiga book	9.95
• Hobbyte 50 Programme PD Greats Pack II	39.95
EITHER OR	
• Sim City	24.99
• Populous	24.99
• Their Finest Hour	79.99
• Battlechess	29.99
• Digital Home Accounts	24.99
• Elf	24.99
TOTAL VALUE	424.79

WITH AMIGA/CDTV 49.99
SEPARATELY 89.99

SPECIAL: Also with Cartoon Classics Games ADD 12.99

WHAT THE CUSTOMERS SAY

... "extremely courteous and rapid response to my problem" ... "I will not hesitate to recommend you to my colleagues."

Dr Darrel Maddy - Slough

"Thank you for dealing so promptly with my requests." ... "I was reluctant about ordering my computer mail order. However I have been very pleased with my dealings with Hobbyte - you are to be commended for your customer service."

Trevor Patterson - Bangor

"We have dealt with many of the leading computer suppliers, in the past, but the service you provided was second to none."

E W Bailey - Preston

... "Thank you for everyone's good service" ... "it arrived at 7.20am the next morning."

David J Thomas - Wolverhampton

"I was very impressed with the service I received in the first instance, I really appreciated how quickly you managed to get the printer despatched from your Luton branch for me."

J S Cazadimos - Amersham

AMIGA 1500/2000

Full UK spec. with 1MB RAM, mouse, expansion as 2000, leads, manuals. New including Kickstart & Workbench 2.04.
Hard disc configuration inc. the high performance GVP II controller card, EXPANDABLE TO 8MB. Fast reliable 52MB + 105MB Quantum Drives are used.

	ALONE	WITH 8833	WITH 7CM + FFXIER
Dual Drive	495.00	695.00	859.00
DD+GVP+20MB HD	699.00	899.00	1065.00
DD+GVP+52MB HD	785.00	985.00	1149.00
DD+GVP+105MB HD	925.00	1125.00	1289.00
Per extra 2MB fitted to GVP			ADD 60.00

CDTV

The ultimate CD interactive multi media machine with an Amiga inside!

- CDTV with CD ROM drive
- Lemmings CD
- Disc Caddy
- Hutchinsons Encyclopaedia CD
- Welcome CD + tutorial
- Remote control unit

ALONE 439.99

ALSO: With keyboard and black matching disc drive to allow access to whole range of Amiga disc based software 549.00

SPECIAL: Also with up to £90 worth of CD titles of your choice! ADD 60.00

THE HOT LOT PACK (1MB REQUIRED)

	VALUE/RRP
• Cartoon Classics Games: Lemmings	25.99
• The Simpsons	24.99
• Captain Planet	25.99
• Deluxe Paint III with animation	79.99
• 10 GREAT individually packaged games, previous RRP's up to 39.99 each, phone to choose from current list, or leave it to us! Children's games available. (varies)	269.82
• 50 Programme Hobbyte PD Greats Pack II, including	39.99
• Dust Cover+ mouse mat	9.98
• 10 Blank Discs + 80 Capacity Disc Box	26.98
• Microswitch turbo joystick	9.99
TOTAL VALUE	513.72

WITH AMIGA 59.99
SEPARATELY 79.99

SPECIAL: ALSO 10 extra great games ADD 25.00

PROFESSIONAL FAMILY PACK (1MB REQUIRED)

	VALUE/RRP
• Cartoon Classics Games: Lemmings	25.99
• The Simpsons	24.99
• Captain Planet	25.99
• Deluxe Paint III with animation	79.99
• The Works Platinum Word Processor, Spreadsheet and Database	169.99
• Their Finest Hour, Flight Simulator	29.99
OR Back to the Future and Postman Pat (1.3 only)	
OR Digital Home Accounts	
• Virus Killer Disk	4.99
• 50 Programme Hobbyte PD Greats Pack II	39.99
• Hobbyte Infant, Junior (specify) or Secondary Educational Pack featuring	19.99
• 10 Blank Discs + 80 Capacity lockable disc box	26.98
• Mouse Mat + Dust Cover	9.98
• Turbo Microswitch Joystick	9.99
TOTAL VALUE	468.86

WITH AMIGA/CDTV 89.99
SEPARATELY 129.99

SPECIAL: Also with Star LC 200 9 PIN Colour Printer and Starter Pack ADD 185.00
Also with Citizen 224+24 Pin Colour Printer and Starter Pack ADD 245.00

TRAMPY'S PACK 2-6 YEARS

AT LEAST 57 EDUCATIONAL/FUN FILLED GAMES!

	VALUE/RRP
• The Shoe People - 6 colourful and entertaining games featuring Trampy and friends to encourage early number reading and pre-reading skills. With Shoe People music.	29.99
• Shapes and Colours - Bobby the Clown entertains and lays down the foundation for maths and writing in 6 colourful animated games.	9.99
• Fun School 2, 3 or 4 - the "Fun School" suite have won just about every award going. 5 or 6 wonderful animated games.	24.99
OR	
Picture Book: 4 colourful and amusing games from a company masterminded by the design and project manager of the award winning Fun School 2. With lower case keyboard overlay and "raspberry", crowd cheers and animal noises that will delight young children.	
• Deluxe Point II or Photon Point II	89.99
• Hobbyte Infant Educational PD Pack, containing 10 fun while you learn games	19.99
• Hobbyte 30 Easy Children's Games Pack, featuring	19.99
• 10 Blank Discs, Disc Box, Joystick, Mouse Mat	26.96
TOTAL VALUE	221.90
WITH AMIGA/CDTV SEPARATELY	49.99 69.99

ABSOLUTE BEGINNERS PACK 3-9 YEARS

	VALUE/RRP
• Fun School 2, under 6 years, 6-8 years or 8+ years	19.99
• Fun School 3 or 4, specify, under 5 years, 5 to 7 years or 7+ years.	
12 stunning UK educational games with beautiful pictures, exciting animation and music that helps to develop number, word and other skills. Up to 6 skill levels. Conform to National Curriculum requirements.	24.99
• Postman Pat (1.3 only), OR Edd the Duck (7+ years) OR Matched Pairs OR Blinky's Scary School	14.99
• Hobbyte Infant or Junior (specify) Educational Pack, featuring up to 12 "Learn while you play" games	19.99
• Hobbyte 30 Easy Children's Games, 10 pack disc including Train Set and other top entertaining PD titles	19.99
• 10 Blank Discs	6.99
• Joystick	9.99
• Deluxe Point II or Photon Point II	89.99
TOTAL VALUE	206.92
WITH AMIGA/CDTV SEPARATELY	39.99 54.99
SPECIAL: Also with Cartoon Classics Games Dpoint III instead of Dpoint II/ Photon Point II (1MB required)	VALUE 80.00 ADD 17.99

THOMAS'S PACK 3-9 YEARS

	VALUE/RRP
• Thomas the Tank Engine's Fun with Words	
6 separate easy to use learning programmes with animation and sound, selectable lower or upper case letters and 4 levels. Reward sequences feature your child's name. Includes free word and picture sight cards.	23.99
• Fun School 2, 3 or 4 - the "Fun School" suite have won just about every award going. 5 or 6 wonderful animated games.	24.99
OR	
Picture Book: 4 colourful and amusing games from a company masterminded by the design and project manager of the award winning Fun School 2. With lower case keyboard overlay and "raspberry", crowd cheers and animal noises that will delight young children.	24.99
• Postman Pat, Snap, Snakes and Ladders and Ludo (1.3 only) OR Edd the Duck OR Matched Pairs OR Blinky's Scary School.	19.99
• Deluxe Point II or Photon Point II	89.99
• Hobbyte Junior Educational PD Pack, containing 10 fun while you learn games.	19.99
• Hobbyte 30 Easy Children's Games Pack	19.99
• 10 Blank Discs, Disc Box, Joystick, Mouse Mat	26.96
TOTAL VALUE	225.90
WITH AMIGA/CDTV SEPARATELY	49.99 69.99

GOLDSILLOCKS PACK 5-11 YEARS

	VALUE/RRP
• The Three Bears - A colourful educational and entertaining adventure loosely based on the traditional story. (Improves reading skills and develops imaginative and logical thought)	22.95
• Money Matters - Four graphically brilliant and educationally sound games with coins keyboard overlay, top reviews	24.99
• Postman Pat (1.3 only), OR Edd the Duck (7+ years) OR Matched Pairs OR Blinky's Scary School	14.99
• Hobbyte Infant or Junior (specify) Educational Pack, featuring up to 12 "Learn while you play" games	19.99
• Hobbyte 30 Easy Children's Games, 10 pack disc including Train Set and other top entertaining PD titles	19.99
• 10 Blank Discs	6.99
• Joystick	9.99
• Deluxe Point II or Photon Point II	89.99
• Mouse mat	
TOTAL VALUE	224.86
WITH AMIGA/CDTV SEPARATELY	49.99 69.99

FAMOUS FIVE PACK 7-15 YEARS

	VALUE/RRP
• Join Enid Blyton's Famous Five to solve the mystery of Treasure Island in this educational interactive adventure	24.99
• Spellbound - 5 exciting arcade type games to develop logic, memory and spelling skills	25.99
• Target maths, suite of 4 fun programmes aimed at specific National Curriculum targets or Maths Adventure: This adventure through time allows pupils to revise and check their progress in National Curriculum maths	25.99
• Sim City - Educational game, award winners and Popular	49.98
OR	
• Elf - travel as Cornelius the Elf and, Puzzle - addictive puzzle game	
• Hobbyte Junior or Secondary Educational PD Pack, featuring up to 12 "Learn while you play" games	19.99
• Hobbyte 50 programme PD Greats II Pack	39.99
TOTAL VALUE	186.93
WITH AMIGA/CDTV SEPARATELY	69.99 389.99
SPECIAL: Also with 10 great individually packaged games RRP's up to £39.99, phone to choose from current list, or leave it to us! Children's games available.	VALUE £269.82 ADD £25.00

CLASS OF THE 90'S FIRST STEPS (1MB REQUIRED)

	VALUE/RRP
• Pro Write 2.5	99.99
• Deluxe Point II or Photon Point II	89.99
• Deluxe Print II - Create labels, cards, posters etc	49.99
• Infofile Database	49.99
• Music - Mouse music creator using mouse	29.95
• Logo + Talking Turtle - Educational prog. languages	49.95
• Let's spell at home - fun learning	19.95
• BBC Emulator	39.95
• Resource File	
• Intro Video	4.99
• Hobbyte 30 Easy Children's Games, 10 disc pack inc. Train Set and other top entertaining PD titles	19.99
• Hobbyte Junior or Secondary Educational pack featuring up to 12 "Learn while you play" games	19.99
• Joystick, mouse mat, 10 blank discs	21.97
TOTAL VALUE	496.70
WITH AMIGA/CDTV SEPARATELY	139.99 179.99
SPECIAL: Also with Star LC 200 9 PIN Colour Printer and Starter Pack	ADD 185.00
Also with Citizen 224+24 Pin Colour Printer and Starter Pack	ADD 245.00

ACCESSORIES

Blitz virus protector + backup device for any external drive	23.99
A520 Modulator	26.99
A500 Deluxe control centre	44.99
Competition Pro Joystick	11.95
Competition Pro Star Joystick	13.95
CDTV Keyboard	44.95

FLOPPY DRIVES

Zydec 3.5 external drive, with daisychain port + on/off switch	48.95
Camana CAX 354 3.5 external drive, beige	52.99
CDTV external 3.5 drive, black	59.99
PC 8808 with anti click + Blitz back up and virus protector	69.95
Dual drive as PC 8808	115.95

MONITORS/TVS/ACCESSORIES

CBM 1084SD1 monitor + leads	225.99
Philips 8833 MK II monitor and leads	219.99
Goldstar TV/Monitor, with remote control + leads black	188.99
CBM 1950 High res monitor + flicker fixer for 1500/2000	549.99
Philips 14" SVGA CM7 monitor and flicker fixer for 1500/2000	23.99
Tilt + swivel stand for Philips 8833	12.99
TV Tuner - turns 8833/1084 into a TV	75.99
Philips 70CM3279 Hi-res SVGA, 28dp for 3000 inc. tilt & swivel	259.99
As above, plus flicker fixer for A1500/2000	369.99
As above, plus flicker fixer for A500	495.99

HARD DRIVES

A590 20MB HD	269.99
A590 20MB HD + 2MB	325.99
A590 52MB HD	399.99
A500 GVP11 52MB HD, exp to BMB	358.99
A500 GVP11 10MB HD, exp to BMB	525.99
Per extra 2MB fitted to above	62.99
A1500/2000 GVP II controller, exp to BMB + Quantum 52MB HD	285.99
A1500/2000 GVP II cont., exp to BMB + Quantum 105 MB HD	475.99
Per extra 2MB fitted to above	62.99

A500 TRADE-IN

Up to £175.00 trade-in allowance, extra for peripherals and accessories. Trade in your A500 for a brand new A1500/2000/3000, CDTV or even a PC.

SCANNERS

Naksha 400 dpi 32 greyscale + Datascan software	87.99
Power Hand Scanner, 400 dpi, 64 greyscale, Powerscan software	97.99
Sharp JX100 A6 Scanner + scanlab software, supports 4096 cols, up to 18 bit	595.95
Sharp JX-300 A4 Scanner + s/w, up to 24 bit	POA

EXPANSION

A500 512K RAM expansion	21.99
CBM A501 the official + clock	39.99
1.5 MB exp for A500	74.99
A500 plus 1MB upgrade	43.99
AT Bridgeboard	329.99
386SX Bridgeboard	429.99
CHIPS - please phone	

EMULATION

KCS Powerboard	188.99
GVP PC Emulator	265.99
AT Once	178.99
AT Bridgeboard for 1500/2000	329.99
386 SX Bridgeboard for 1500/2000	429.99

DISCS

10 Blank DS/DD discs in box	6.99
50 Blank DS/DD discs	17.99

NO DEPOSIT CREDIT FACILITIES

Credit terms at 34.8% APR (variable) can be arranged for purchases over £150, subject to status. Competitive leasing schemes are also available for businesses, including sole traders and partnerships. Just telephone for written details and application form.

PRINTERS

	ALONE	WITH STARTER PACK		ALONE	WITH STARTER PACK
Citizen 120+D	112.95		Citizen 224+col	236.95	
Star LC20	124.95		Citizen Swift 24e	246.95	
Star LC200 col	172.95		Citizen Swift 24e col	266.95	
Citizen Swift 9	178.95		Star XB 24/200	376.95	
Star LC 24-10	178.95		Star XB 24/250	456.95	
Star LC 24-200	216.95		HP Deskjet	346.95	
Star LC 24-200 col	256.95		HP Deskjet col	576.95	
Citizen 124D	176.95		HP Paintjet	526.95	
Citizen 224	211.95		8110e Bubblejet port	226.95	
ADD £11.99			ADD £11.99		

STARTER PACK: 500 Sheets A4 continuous paper, Amiga to printer lead & Universal Printer Stand

ORDERING: TELESALES NO: (0727) 56005

Next day delivery for credit card orders placed before 4.30pm subject to availability. Alternatively send cheque, postal order, bankers draft or official order (PLCs, Education and Government bodies only) to: Dept. AF, Hobbyte Computer Centre, 10 Market Place, St. Albans, Herts AL3 5DG. Please allow 7 working days for cheque clearance. Subject to availability, despatch is normally

within 24 hours of receipt of cleared payment. Prices are correct at time of going to press, however, we are sometimes forced to change them, either up or down. Please check before ordering.

DELIVERY CHARGES:

Small consumables & software items	Despatched by post, please check charges when ordering
Other items, except lasers	Next day courier service, £10 per box
Offshore and Highlands	Normal rate plus £20 + VAT per box
IN ADDITION WE OFFER THE FOLLOWING EXPRESS SERVICES:	
Saturday deliveries	Normal rate plus £10 + VAT per box
7am to 9am next day	Normal rate plus £10 + VAT per box
Am next day	Normal rate plus £5 + VAT per box

Amiga prices, except where stated are inc. VAT. E.&O.E.

• PHILIPS APPOINTED DEALER • HP AUTHORISED DEALER • CITIZEN DEALER PLUS •



Graphics Workshop

FULL paint package – Worth £79.95!

AMIGA
FORMAT

Animation with Graphics Workshop

GRAPHICS WORKSHOP IS a very complicated program, so we couldn't hope to tell you about all the drawing and animating functions in the space allowed in the *Sound and Vision* supplement (back issues Page 132). Likewise we can hardly hope to turn you into a fully-fledged Disney animator with a two page tutorial. If you want the lowdown on all the program's functions, then flip to the mail order pages to find out how you can get hold of the full manual (Page 189).

There are two ways that *Graphics Workshop* can create animations: using Cell animation and Page animation. What we are going to deal with on these pages is a simple tutorial to explain the basics of page animation. However, as anyone who has used the program will know, it is extremely memory hungry. For this reason, we don't recommend that you attempt to create this animation if you are using a machine with a small amount of expanded memory.



1 To begin with, you need to draw a series of boxes. Click on the Coordinates tool to turn them on. Now click on the Filled Rectangle tool and draw these boxes: A brown box 110 units wide and 50 units high, a red rectangle 90 units wide and 30 high and a grey box 70 units wide and 10 high.



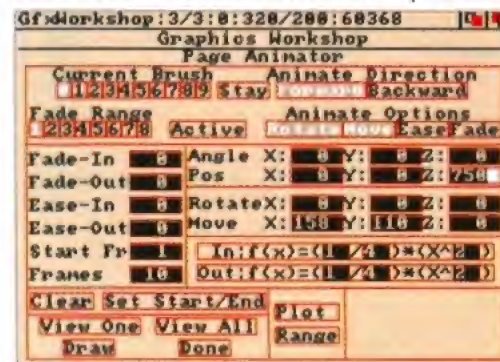
2 Pick up the brown rectangle as a brush and select USE->1 from the Brush menu to store it in position 0. Now click on the red box as a brush and select USE->2 to store it in position 1, then pick up the grey box as a brush and select USE->3. The three boxes are now stored in successive brush positions.



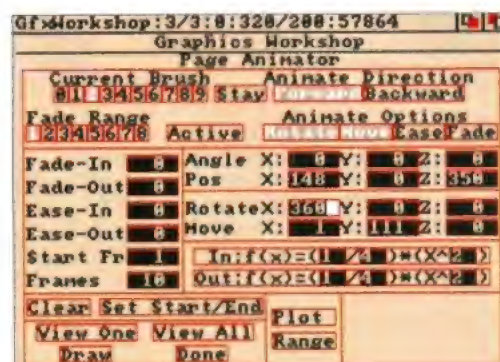
6 Go to the ANIM menu and select EFFECTS from the Page section (right at the bottom) to bring up the Page Animation panel. The first brush you want to use is brush 0, which is automatically active. Click on 'Set Start/End' to assign the start position.



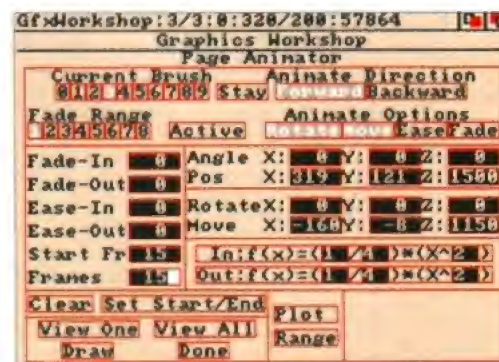
7 Move to the top-left hand corner of the screen and press the left mouse button. Now move to the middle of the screen and press the left mouse button again to mark the end position of the animation. The Page Animation window will now reappear.



8 If you look at the values in the window, you will see that they have changed. This is where the brush's start position is held. The normal Z value is 350, which means that the brush is its default size. To move it further away, change the Z Pos to 750.



12 Select brush 2 and using the same process as for brush 1, set it to move from the top of the screen to the middle. However, we want it to rotate along its X axis, so enter 360 in the 'Rotate X' box. Set the 'Start Fr' to 10 to store the animation in frames 10 to 19, then click on 'Active'.



13 Select brush 3 and click on Set Start/End. Set its start point on the right of the screen and its end point in the centre. To make it appear to move into the screen, set the Z 'Pos' value to 1500 and the Z 'Move' value to -1150. Set the 'Start Fr' to 15 and the 'Frames' to 15. Click on 'Active'.

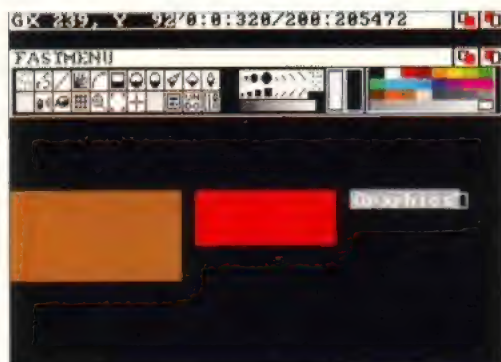


14 Select Brush 2 once more. This time we'll set it to fade through a range of colours. Click on 'Fade', then enter 10 in the 'Fade In' box and 0 in the 'Fade Out' box. Select 'Fade Range 2' to call up a range which will fade the brush from pale blue to purple, then click on 'Draw' to draw the frames.

If this month's animation feature has whetted your appetite, then you'll no doubt want to try it out for yourself with the Graphics Workshop disk bundled with the Christmas issue of Amiga Format. **Maff Evans** helps you get to grips with Page Animation.



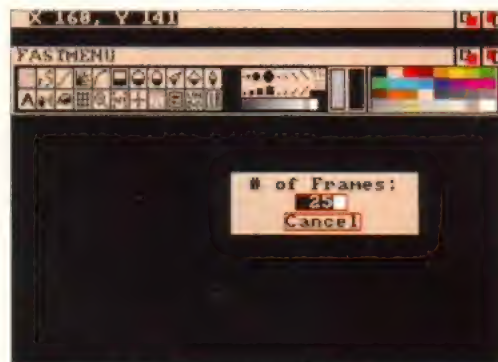
This is a scene from the finished animation. It may look simple, but it involves several techniques from the Effects panel.



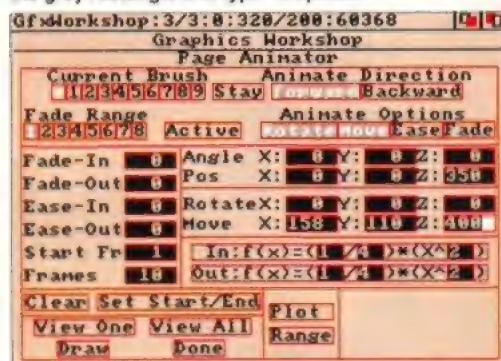
3 Click on the Text tool with the right button to bring up the font requester and select Topaz as your font and select eight point as the size. Move the pointer (the white dot in the bottom-right hand corner of the A-shaped cursor) to just inside the top-left of the grey rectangle and type 'Graphics'.



4 Pick up the rectangle with the text inside as a brush and press i to bring up the Filter box. Click on 'Back' then on the grey you used for the rectangle to filter out the grey background and hit OK when you've finished. Click on CLR and click on the black background to clear the screen.



5 Hold down Shift and press 3 on the keyboard to bring up the Set Pages requester. Click on the box containing the number, delete what is already there and enter the number of frames as 25. Now we need to go to the first frame, so hold Shift and hit 1 on the keyboard to return to the start.



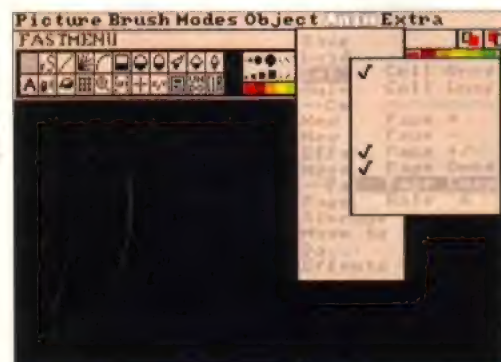
9 Set the Move value of Z to -400. This will make the brush seem to move towards you and stop at its normal size. Set the 'Start Fr' to 1 and the 'Frames' to 10. Click on 'View One' to bring up a wire-frame representation of the movement.



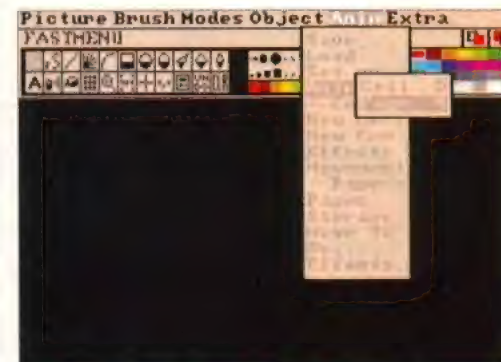
10 Click on 'Active' to store the animation, then set the 'Current Brush' as 1. Click on 'Set Start/End'. Move to the bottom-left of the screen and click the mouse button. Position the frame over the last one in the centre and press the left button.



11 Now we'll demonstrate brush rotation. Click on the 'Rotate Y:' box and enter 360. Set 'Start Fr' to 5 and leave the 'Frames' setting at 10. Click on 'View One' to check the animation, then click on 'Active' to confirm it.



15 That's just about all the animations finished, so click on Done to exit the window. Go to the ANIM menu and set the 'Set Up' options to 'Page +/-' and 'Page Loop'. This will play the animation in a continuous 'ping-pong'. Set the 'Rate' to 30 and hold Shift and press 1 to go to the first frame.



16 Go to 'Animate' in the ANIM menu and select 'Page' to see the final animated effect (or press 4 on the keyboard. Although the clip is quite simple, the methods involved can be used with more complex brushes and Graphics Workshop 'Cells' to build up intricate page animations.

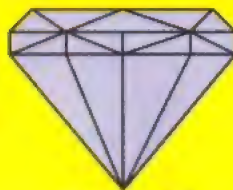
Hopefully this will have given you an insight into the workings of the Graphics Workshop Page Animation section. The memory requirements and rather complicated control panels can be off-putting, but with time they will become clearer.

By combining the methods used in this tutorial with the effects in Graphics Workshop's extensive Cell Animation panel, you can create highly complex clips. Unfortunately, we can't go into the intricacies of Cell Animation in the limited space available in the magazine, but if you're interested in this, you can get the full info from the manual available on Page 189.

Keep persevering in experimentation with your own Page animation effects and you could one day be mentioned alongside great Amiga animators such as Eric Schwartz. One last piece of advice for you to ponder on when getting stuck, as any animator will tell you: "Practice makes perfect!"

DIAMOND'S SALE HAS BEEN EXTENDED TO MATCH HUGE DEMAND!

New CD ROM Drive for your
A500/A500 Plus with 2 Free
CD's ONLY £299.00



DIAMOND TV Monitor
The best available £249 INC VAT!
OR ONLY £229 when purchased
with a computer!

DIAMOND

COMPUTER SYSTEMS LTD

1Mb RAM **PACK** **1Mb RAM**

THE CARTOON CLASSIC PACK

AMIGA 500 PLUS

COMPRISING

Lemmings,
Captain Planet,
Bart Simpson
+ Deluxe Paint III
+ All AMIGA standard
features, Mouse etc.

ONLY **£325.00** INC VAT

Or with 8833 Mk II Monitor
+ F19 Promotion
ONLY **£545.00** INC VAT

WE CANNOT BE BEATEN
ON PRICE

LIMITED STOCK

2Mb RAM **PACK** **2Mb RAM**

DIAMOND CLASSIC PACK

AMIGA 500 PLUS

COMPRISING

Lemmings, Bart Simpson,
Captain Planet, DPaintIII,
all AMIGA standard features

ONLY **£369.00** INC VAT

Or with 8833 Mk II Monitor
+ F19 Promotion
ONLY **£589.00** INC VAT

WE CANNOT BE BEATEN
ON PRICE

LIMITED STOCK

1Mb RAM **PACK** **1Mb RAM**

EVERYTHING BUT THE KITCHEN SINK PACK

AMIGA 500 PLUS

COMPRISING

Lemmings, Captain Planet, Bart Simpson,
+ Deluxe Paint III,
+ All AMIGA standard features, Mouse etc.,
Mousemat, Dust Cover, Joystick,
10x3.5" Disks, 1 Disk storage box,
Speedball II, Shadow Of The Beast II, Car Vup
Corporation, Xenon II, Back To The Future II,
Cadaver, Line Of Fire, Teenage Mutant Ninja
Turtles, St Dragon

ONLY **£369.00** INC VAT

Or with 8833 Mk II Monitor
+ F19 Promotion
ONLY **£589.00** INC VAT

WE CANNOT BE BEATEN
ON PRICE

LIMITED STOCK

1Mb RAM **PACK** **1Mb RAM**

HOME OFFICE PACK

AMIGA 500 PLUS

COMPRISING

Lemmings, Captain Planet, Bart Simpson,
+ Deluxe Paint III, + All AMIGA standard features,
Mouse etc.,
The Home Office Kit
Seikosha 9 Pin printer

ONLY **£499.00** INC VAT

Or with 8833 Mk II Monitor
+ F19 Promotion
ONLY **£699.00** INC VAT

WE CANNOT BE BEATEN
ON PRICE

Add £75.00 for a colour printer!

LIMITED STOCK

1Mb RAM **PACK** **1Mb RAM**

BUSINESS PACK

AMIGA 500 PLUS

COMPRISING

Lemmings, Captain Planet, Bart Simpson,
+ Deluxe Paint III, + All AMIGA standard features,
Mouse etc.,
The Home Office Kit
High Quality OKI 24 Pin printer

ONLY **£599.00** INC VAT

Or with 8833 Mk II Monitor
+ F19 Promotion
ONLY **£799.00** INC VAT

WE CANNOT BE BEATEN
ON PRICE

Add £75.00 for a colour printer!

LIMITED STOCK

1Mb RAM **PACK** **1Mb RAM**

CAPTAIN DIAMOND'S D.I.Y. PACK

Comprises the Cartoon Classic Pack and
a choice of 10 games from the following list.

Datastorm, Grand Monster Slam, Kid Gloves,
Powerplay, RVF Honda, Shufflepuck Cafe,
Soccer, Tower Of Babel, Dungeon Quest,
Emotion, Speedball II, Shadow Of The Beast II,
Carv Up, Corporation, Xenon II, Back To The
Future II, Cadaver, Line Of Fire, Teenage Mutant
Ninja Turtles, ST. Dragon, Gazza II, Gunship,
Judge Dredd, Man United, Netherworld, Predator II,
Double Dragon II, Toyota Celica GT Rally,
Rick Dangerous II, Ultimate Golf

ONLY **£375.00** INC VAT

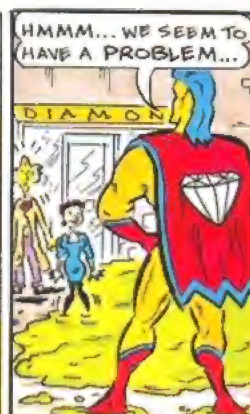
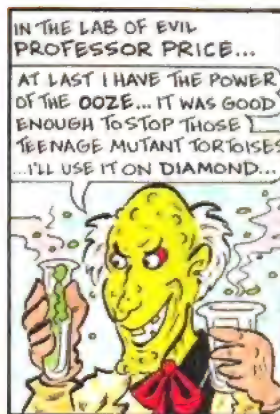
Or with 8833 Mk II Monitor
+ F19 Promotion
ONLY **£599** INC VAT

Personal Callers ONLY
Not Available for Mail Order

LIMITED STOCK

The adventures of

CAPTAIN DIAMOND



**P/X Your old 500
for a new Amiga 1500
for only £379.95**



**ROCTEC Slimline
External Drive
For The AMIGA
ONLY £49.95**

CAPTAIN DIAMOND'S 500 EXTRAS PAGE

ALL PRICES INCLUDE VAT

ROCTEC PRODUCTS

Hard Drive For A500. simply the best in our opinion

External hard drive with streamline plastic casing for perfect fit to A500. Autoboot + Autoconfig with Kickstart 1.3 and above. Supports up to 2 IDE Hard Drives + 7 SCSI Drives or devices with the SCSI External Port. Expandable to 8Mb SIMMs memory with 2Mb, 4Mb increments. External power adaptor unit included. Games Switch to disable HDD and memory or disable HDD only for full games compatibility. Quiet + reliable operation with cooling fan. User friendly installation + easy upgrade.

ROCHARD HARD DRIVES FOR YOUR AMIGA

0Mb Rochard IDE Card 0k	£199
0Mb Rochard IDE Card 2Mb	£249
0Mb Rochard IDE Card 4Mb	£299
0Mb Rochard IDE Card 6Mb	£349
0Mb Rochard IDE Card 8Mb	£399

52Mb Quantum Hard Disk 0k	£349
52Mb Quantum Hard Disk 2Mb	£399
52Mb Quantum Hard Disk 4Mb	£449
52Mb Quantum Hard Disk 6Mb	£499
52Mb Quantum Hard Disk 8Mb	£549

105Mb Quantum Hard Disk 0k	£449
105Mb Quantum Hard Disk 2Mb	£499
105Mb Quantum Hard Disk 4Mb	£549
105Mb Quantum Hard Disk 6Mb	£599
105Mb Quantum Hard Disk 8Mb	£649

**All Rochard drives and controller cards
come with a 2 year warranty**

GENLOCKS

Rocgen	£89.95
Rocgen +	£124.95
Rendale 8802	£119.95
G2	£575.00
G2+	£999.00

EXTERNAL FLOPPY ROCTEC DISK DRIVES

UltraSlim Roclite	£54.95
Slimline Roctec	£49.95
CDTV DRIVE	£64.95
AMIGA internal floppy	£39.95

GVP SERIES 2 HARD DISKS

52Mb ONLY £369.00

105Mb ONLY £529.00

Perfectly matched in colour + style to the AMIGA 500p. 11ms access drive. 1" high drive by Quantum. Room for up to 8Mb of RAM expansion. Cut Off switch for games Expansion 'Mini Slot'. External SCSI port Dedicated PSU and fan. 2 years free warranty. Add £65.00 per extra 2Mb RAM

52Mb	Ok	£369.00
	2Mb	£434.00
	4Mb	£499.00
	6Mb	£564.00
	8Mb	£629.00
105Mb	Ok	£529.00
	2Mb	£594.00
	4Mb	£659.00
	6Mb	£724.00
	8Mb	£789.00



MONITORS

High Res 14" colour	£349	High Res 21" colour	£1599
Microway Flicker Fixer	£149	CBM Flicker Fixer	£199
PHILIPS 8833 MkII colour monitor			
+F19 promo and free lead & Dust cover		only	£229

DISKS

We sell over 1,000,000 of our own high quality branded diskettes. Because our name goes on the disks we ensure that the quality meets our exacting standards. We normally source Sony Bulk because of their high clip rate. *Clip Rate is the amount of oxide that a disk can lose before it becomes unuseable.*

DIAMOND DS D/D 135 T.P.I. 3.5"

1-49	50-99	100-199	200-500	500 +
£0.40	£0.39	£0.38	£0.37	£0.36

50 disks in 100 capacity lockable box £22.95

DIAMOND HD 3.5"

1-49	50-99	100-19	200-500	500 +
£0.59	£0.58	£0.57	£0.56	£0.55

Storage Boxes 3.5" 5.25"

100 capacity £4.95 £4.95

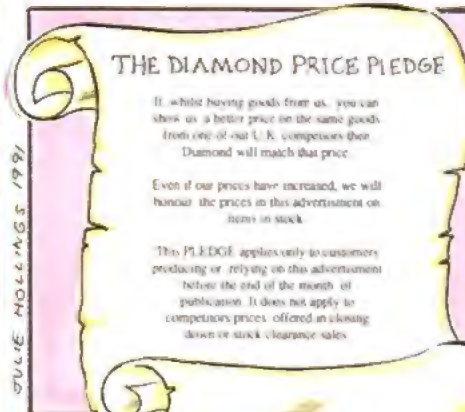
150 capacity Passo stacking box £15.99

Cleaning Kits (Limited Offer) 3.5" 5.25"

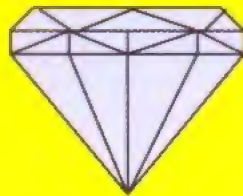
Disk drive cleaning kits £0.99 £1.95

ARE YOU GETTING IT?

OUR NEW CATALOGUE
IS OUT NOW! POP INTO
YOUR NEAREST
DIAMOND STORE FOR A
FREE COPY WITH ALL
THE LATEST
SOFTWARE



WANT A 1500
With Workbench 2.04?
GOT A 500?



SWAP IT FOR
ONLY £379.95

UPGRADE
YOUR OLD 500
TO A BRAND NEW
1500 FOR £379.95
WHEN YOU P/X

CAPTAIN DIAMOND'S 1500 & 3000 CENTRE

ALL PRICES INCLUDE VAT

AMIGA 1500 Specials	0Mb P/X		2Mb P/X		4Mb P/X		6Mb P/X		8Mb P/X	
A1500 GVP 52Mb	£839	£669	£899	£729	£959	£789	£1019	£849	£1079	£909
+ 8833 Mk II Monitor	£1039	£869	£1099	£929	£1159	£989	£1219	£1049	£1279	£1109
A1500 GVP 105Mb	£978	£808	£1038	£868	£1098	£928	£1158	£988	£1218	£1048
+ 8833 Mk II Monitor	£1178	£1008	£1238	£1068	£1298	£1128	£1358	£1188	£1418	£1248
all MK II Monitors come with F19 promotion PX= Part Exchange From Amiga 500 to Amiga 1500										

AMIGA 3000
The NEW
Commodore AMIGA 3000
25Mhz processor, 100Mb hard disk,
4Mb Fast RAM, 2Mb Chip RAM,
+ SCALA + Deluxe Paint IV
£3295.00 INC VAT

AMIGA 1500 SPECIAL PROMOTION
Comprising RHE NEW AMIGA 1500 PACK
Amiga 1500 52Mb 9ms access hard disk driven by the NEXUS SCSI hard disk controller with 2Mb of RAM which can be expanded in 2mb steps up to a maximum of 8Mb. The NEXUS also comes with a suite of storage software utilities: Flashback, Powerbench, SmartCache, Spoolit, DiskSurgeon, InstantFormat, MemoryDoctor. Utilities to enhance the control of your SCSI hard disks.
ALL DIAMOND 1500'S COME WITH NEW WORKBENCH 2.04
Software with the machine comprises DeluxePaint III, The Works, Home Accounts, 3 Games (Puzznic, Toki and Elf), and a book entitled "Get The Most Out Of Your AMIGA".
Or with 8833 MKII Monitor + F19 Promotion **ONLY £899**
Or with Multisync Monitor and CBM Video Card (Flicker Fixer) **ONLY £1099**
ONLY £1349

PROGRESSIVE PERIPHERALS
68040 Board for your A1500/2000
50 MHz Clock speed
0Mb RAM **£1499**
4Mb RAM **£1599**
8Mb RAM **£1699**

FUSION 40 68040
The Leader In Accelerator Cards
with 4Mb on board RAM £1299

GVP PRODUCTS FOR THE AMIGA 1500 & 2000					
22MHz ACCELERATOR 22MHz 68030 CPU 68882 22MHz maths co-pro 1Mb 32-bit RAM installed Expands to 13Mb 32-bit RAM, 32 bit SCSI HD on-board controller This low-cost, quality 68030 accelerator, memory upgrade, SCSI device and 68882 maths co-processor board offers the perfect introduction to low cost upgrades for the Amiga. It is supplied with 1Mb 32-bit RAM, upgradeable to 13Mb 32-bit RAM. This card runs approximately 7 times faster than a standard Amiga 1500/2000. ONLY £585	33MHz ACCELERATOR 33MHz 68030 CPU 68882 33MHz maths co-pro 4Mb 32-bit RAM installed Expands to 16Mb 32-bit RAM, 32 bit on-board SCSI controller This fast 68030 accelerator, memory upgrade, SCSI device interface board delivers uncompromising speed and performance without a high price. It can take 16Mb 32-bit RAM and is supplied with 4mb of 32-bit RAM installed along with a 68882 maths co-processor. Runs approximately 11.5 times faster than a standard Amiga 1500/2000. ONLY £989	50MHz ACCELERATOR 50MHz 68030 CPU 68882 50MHz maths co-pro 4Mb 32-bit RAM installed Expands to 32Mb 32-bit RAM 32 bit AT HD controller The fastest accelerator card and memory upgrade available from GVP. Featuring a 68030 CPU running at 50MHz, on-card expansion to 32Mb of 32-bit RAM and an IDE hard disk interface all on one card. Makes your Amiga run approximately 13 times faster than a standard Amiga 1500/2000. ONLY £1789	IMPACT II HC8 Wide range of drive sizes 52Mb and 105Mb options Sockets for 8Mb RAM Uses easy to install SIMMs Supports virtually any SCSI device. This is the equivalent of the HD8+ hard drive, but for the Amiga 1500 and 2000 models. It features the same unmatched facilities and performance giving unrivalled power. With GVP's innovative custom chip design, easy and user friendly installation and software, the HC8 is both powerful and simple to use. 52Mb version £295 105Mb version £425	150Mb STREAMER Over 6Mb per min. backup Comes with GVP TapeStore software Mounts in the 5.25" drive bay Optional external casing Includes 1 DC150 cartridge This high-performance media back-up tape streamer device for the Amiga uses industry standard 150Mb DC150 cartridges. With backup speeds in excess of 6Mb per minute, the GVP WT150 is a fast and efficient back-up method to offer peace of mind for serious users. The WT150 tape streamer requires SCSI interface such as Impact II ONLY £739	IMPACT VISION 24 768x590 PAL resolution Supports composite video, S-VHS and RGB signals Broadcast quality genlock Software included This is the very latest 24-bit Professional Video Adapter. It features 16 million colours, built-in genlock, flicker fixer, frame buffer, frame grabber and digital keyer. Supplied with Caligan 3D modelling and rendering software, Scala IV24 video titling software, plus Macro Paint 24-bit paint package. ONLY £1785

SUPRA 8Mb BOARD FOR 1500/2000

Bareboard **£89**
Add **£69** for 2Mb
Add **£138** for 4Mb
Add **£207** for 6Mb
Add **£275** for 8Mb

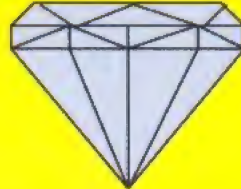
CAPTAIN DIAMOND 3000 "BASHER" PACK
The New Commodore Amiga A1500 with twin 3.5" floppy drives, Multisync Colour Monitor, CBM Flicker Fixer (video card), 68030 33MHz Processor, 105Mb hard drive with 4Mb RAM and s/w, Deluxe Paint III, The Works, Home Accounts + 3 Games Puzznic, Toki and Elf.
ONLY £2595 INC VAT

NEXUS BOARD
Bareboard 0Mb HD 0k RAM **ONLY £149**

Prices for Nexus Board options

RAM	0Mb	2Mb	4Mb	6Mb	8Mb
No HD	£149	£199	£249	£299	£349
52Mb HD	£299	£349	£399	£449	£499
105MbHD	£399	£449	£499	£549	£599

**AMIGA HARD DISK
20Mb NEW MODEL
P.O.A.**



**NEW EXTERNAL 690
CD ROM + 2 GAMES
ONLY £299 INC VAT**

CAPTAIN DIAMOND'S EXTRAS PAGE

IVS TRUMPCARDS

ONLY £79.95

The IVS Trumpcard is the top selling SCSI hard drive controller. Representing the latest in technology directly from the USA, it is the only controller to support IBM, Amiga and Apple MAC partitions on one hard disk. This allows you to run software for the three main hardware platforms on one machine. Only one computer can do this.

HARD DISK DRIVES

Faster Drives for Lower Prices

QUANTUM	IDE	SCSI
52Mb	£169.95	£179.95
105Mb	£269.95	£279.95
2 Year Warranty		

SYQUEST

removeable cartridge drive

44Mb 28ms £299.00

TRUMPCARD FOR ABOVE add £69.95

CAPTAIN'S CHIP SHOP

4 x 256k DRAMS	for A590's etc	£3.99
1 x 1Mb DRAMS	for 8up/Supra etc	£3.99
1 x 9Mb SIMMS	Nexus/G.V.P./Rochard etc	£34.99
4 x 9Mb SIMMS	G.V.P./Nexus	£159.95
CIA CHIPS		£14.95
1.3 ROM		£29.99
2.0 ROM		P.O.A.
ROM Sharer		£24.99

These prices do not include fitting; however if you don't want to fit them yourself then this can be performed by one of our Qualified Engineers at any of our branches

SPARES AND REPAIR

Internal A500 Disk Drive £41.95

Fatter Agnus £74.95 fitted by one of our qualified engineers
C.I.A. chips £14.95. A500 fixed repair cost £44.95

DOT MATRIX PRINTERS

STAR LC 20	£124.95	ZA 200 COLOUR	£299.95
CITIZEN 124D	£179.95	ZA 250 COL	£379.95
STAR LC 24/10	£179.95	NEW SP2400 SEIKOSHA	£129.95
STAR LC 200	£173.90	PANASONIC KXP 1123	£159.95
STAR LC 24/200 COL	£269.95	OKI 380	£199.95
SWIFT 9 COLOUR	£179.95	SWIFT 9X	£259.95
SWIFT 9	£169.95	SWIFT 24X	£379.95
NEW SWIFT 24E COL	£269.95	NEW SWIFT 224	£229.00
XB 24 - 200 COL	£379.95	NEW SWIFT 224 colour	£239.95
XB 24 - 250 COL	£469.95	NEW SEIKOSHA 24 PIN	£209.95

INK JET PRINTERS

HP PAINTJET	£529.95	CANON BJ10EX	£229.95
HP DESKJET	£349.95	CITIZEN PN48	£269.95
HP DESKJET COLOUR	£579.95	STAR SJ48	£229.95

LASER PRINTERS

OKI 400	£569.95
HP III P	£784.95
Toner if purchased with above 1 only	£59.95
OKI LASER 800 0.5MB	£999.95
OKI LASER 800 Dual Bin 0.5MB	£1199.95
OKI LASER 830 Postscript 2MB	£1099.95
OKI LASER 840 Postscript 2MB	£1399.95

DATA/PRINTER ETC CABLES

Parallel Printer Leads

1.8M Printer Cable	£9.95
2.0M Printer Cable	£11.95
3.0M Printer Cable	£14.95
5.0M Printer Cable	£19.95
10M Printer Cable	£29.95
Centronics to Centronics cable for data boxes etc	£9.95

Monitor Cables

AMIGA > CBM 1084/S	£9.95
AMIGA > Philips 8833 MK I	£14.95
AMIGA > Philips 8833 MK II	£9.95
AMIGA > MULTISYNC	£9.95
AMIGA > TV	£14.95

Please state TV make & model

PRINTER PAPER

High Quality Micro Perforated

60 gsm 1000 sheets of tractor feed	£9.95
90 gsm 1000 sheets of tractor feed	£14.95

**PRINTER
STARTER PACK**
Cable, Box Of
Paper, Stand,
Spare Ribbon
ONLY
£29.95

Diamond Computers
121 Regents Street
Leamington Spa
Warks
TEL 0926 312155
FAX 0926 883234

Diamond Computers
232 Tottenham Ct Rd
LONDON W1
TEL 071 580 4355
FAX 071 580 4399
(RETAIL ONLY this branch) FAX 081 590 8959

Diamond Computers
1045 High Road
Chadwell Heath -
ROMFORD
TEL 081 597 8851
FAX 081 590 8959

Diamond Computers
144 Ferry Road
EDINBURGH-Scotland
TEL 031 554 3557
FAX 031 554 2115

Diamond Computers
406 Ashley Road
POOLE - Dorset
TEL 0202 716226
FAX 0202 716160

Diamond Computers
(HEAD OFFICE)
84 Lodge Road
SOUTHAMPTON
TEL 0703 232777
FAX 0703 232679

Diamond Computers
1022 Stockport Road
MANCHESTER
TEL 061 257 3999
FAX 061 257 3997

Diamond Computers
443 Gloucester Rd
BRISTOL (EXPORT)
TEL 0272 522044
FAX 0272 521738

Corporate Sales Line 0703 333184
FAX 0703 232679
Contacts: Sharon Dawn Barbara
Education: Government Orders
Accepted
TERMS STRICTLY 14 DAYS
30 DAYS ADD 2%
60 DAYS ADD 5%

HOW TO ORDER

Simply telephone through your order, giving your Access or Visa card Number or send a cheque or postal order to your Local Dealer. All prices include VAT unless otherwise stated. Courier Service Delivery £11.75 Allow 5 working days for cheque clearance. Bankers' drafts clear on the same day.
ALL POSTAL ORDERS TO OUR ROMFORD BRANCH ONLY PLEASE.
All prices are correct at time of going to press but may change without notice.

THE DIAMOND PRICE PLEDGE

*If, whilst buying goods from us, you can show us a better price on the same goods from one of our U.K. competitors then Diamond will match that price. Even if our prices have increased, we will honour the prices in this advertisement on items in stock.

This PLEDGE applies only to customers producing or relying on this advertisement before the end of the month of publication. It does not apply to competitors prices offered in closing down or stock clearance sales.

THE NEW GROLIER ENCYCLOPAEDIA

PRICE N/A ELECTRONIC PUBLISHING

The front-end of this one doesn't in fact greet, instead it stick its head around the corner of the door and sneers "What do you want?" which is a real shame, because it seems to conceal quite a lot of good material for a CD encyclopaedia.

Essentially, the main way to access information is by typing in a word using the on-screen alphabet. You can then choose to search for titles of articles that contain that word, or for any occurrence of the word within articles. The only problem with this approach is that it does feel somewhat 'blind': as we have said before about CD reference works, some way of presenting a top menu of general subject areas or topics would be nice.

To give it something of that 'flicking through a book' feel, the authors have included a picture browse option, which does reveal a list of topic headings. It soon becomes evident that there is an enormous number of images on this disc - there are 133 images of trees alone, for example - which is encouraging. We've criticised other discs for being disappointing in this department. Many of the pictures are high-quality illustrations, too.

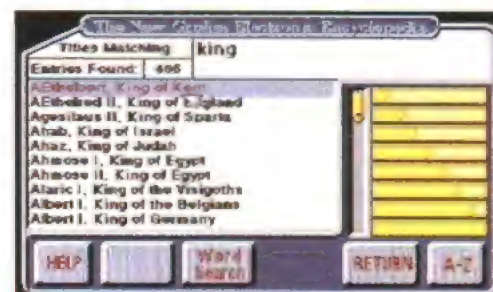
Brave that daunting first screen and you'll soon discover that this encyclopaedia is rich in text entries too. The word search pretty rapidly comes up with vast lists of topics, and a sensible information navigation system helps you pick out the one you want. As you would expect, once you are reading an article you can select key words to move to another topic.

This is probably the best reference work we have seen yet, with some very nice audio visual presentation. I don't know the book on which it is based, but it appears to be very much a Twentieth Century encyclopaedia: a search on 'viking' reveals plenty of info about space missions but none about hairy guys with axes. Though there is an awful lot about ancient history too.

Sampled sound, such as Martin Luther King's famous speech, pops up occasionally, if perhaps not often enough. But apart from that the scope of this seems impressive and, despite an inevitable American leaning, this is the most enjoyable CD reference work to come around so far.

Verdict **84%**

This is the main screen for accessing the reams of information. Simply type in the key word for your search...



...and The New Grolier will search for titles of articles that contain that word...

THE HEROIC AGE OF SPACEFLIGHT

PRICE N/A TROIKA MULTIMEDIA

This is basically just a 50-minute movie. It makes use of the infamous CDXL, a compression technique which Commodore have cleverly managed to bring full-motion video to the Amiga CDTV. Unfortunately, it's only partial-screen full-motion. Seems like less than a quarter of the screen, in fact. And, of course, the number of colours is reduced.

The result of all this, unfortunately, is that it's just like watching a space-flight documentary on a miniature portable TV off a poor-quality bootleg video. While the documentary itself is fascinating and the audio narration and soundtrack is excellent enough, it's just not a very good way of watching something. The only real advantage for running it as a CD multimedia experience gives you is that you can instantly pick out and watch any particular section of the programme. Whoopy doo.

As a kind of megademo, which is basically what it is, this exerts a peculiar fascination. It's also a very good documentary. But you can't help but realise that if it was on a videotape you'd be able to watch it a lot more easily and it would cost a heck of a lot less.

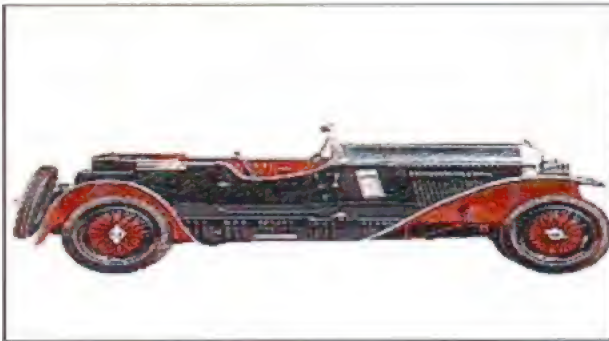
Verdict **55%**

Although this is basically a video on CD, it does allow you very exact control over what you watch. From specific sections of the programme, you can read text information and browse stills.

What's new on CD?



While the full-motion video is a fascinating technical exercise, because it only takes up a quarter of the screen and colours are limited, the value of it as anything more than an interesting thing to show off is doubtful. However, what would be of immense educational value is the way that you can work through to a very specific topic area and learn more about it from on-screen text and still photographs like this one. The background info is detailed, well-researched and very interesting. Many a space freak will want to pick through it and read it all.



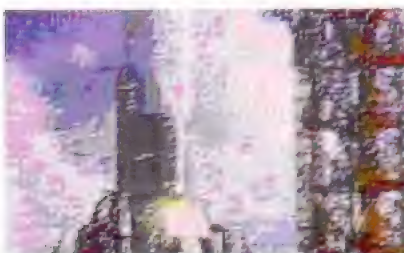
The common apple, *M. pumila*, one of about 25 apple species, is a small tree with flowers that resemble wild roses. Most commercial varieties derive from the common apple. The United States produces almost one-quarter of the world crop of dessert and cooking apples.

Electronic Publishing have released one of the best-presented encyclopaedias yet to arrive on CD. As soon as you start to browse through the package you encounter the hundreds of pictures that have been included, many of which are illustrated in this attractive watercolour style.

Continuing from last month's massive look at the first 45 arrivals on the CD scene, preparing for the 'imminent' release of the Amiga CD-ROM drive, **Damien Noonan** takes an intrigued but critical look at the new releases.



For the most part, this is how you will be watching the action: the display area for live action is reduced to a quarter of the screen.



There's an awful lot of very good footage of NASA space missions, from the launch of the first Apollo rocket to the Space Shuttle.

ORDICODE

POUR NOTRE LECTEURS FRANCAIS...

Ici l'Ordicode, une logiciel qui donnez vous beaucoup d'instruction de driving. Si vous acceptez le principe de priorite a droite, vous will find qu'il est tres difficile en Angleterre, ou on drives sur le rive gauche, pas sur le droit de seigneur...

No, wait, but seriously though, folks. This one we mention merely out of satiable curiosity, because it's an interesting idea: it contains the French equivalent of the Highway Code as well as a basic driving course and it is intended, of course, to provide sufficient instruction to help you answer all the hard questions in a driving test.

It's appeal over here will be limited, but it might possibly be useful as a language-teaching exercise in a pretty practical environment, though it does raise the question of whether a similar version in English would be helpful to all those learner drivers out there.

As well as a guide to French road-signs, in which not only the signs but also their legal and practical context are explained by text and a narrator, the program also includes a course of lessons and two tests. The lessons are followed as a series of photographs of situations, about which you have to answer various questions.

As far as my basic French allows, the course seems to be an excellent run-through of driving theory and road laws and I would imagine that an English version of this disc would make ideal theoretical 'revision' for a driving test. What it isn't - and I have heard this suggested as an idea for an Amiga CD - is a moving driving simulator.



During the lessons, you as driver of this car are faced with a number of tricky situations and have to choose the right action.



The main screen presents the options on offer: practical tests like the one above, road sign revision, and the dreaded exams!

FALCON

£49.99 MIRRORSOFT

Whether either of the two Mirrorsoft titles will actually find their way onto the shelves after the demise of Robert Maxwell's myriad of companies - Mirrorsoft officially liquidated last December - remains to be seen, but no doubt someone will acquire the UK rights to this.

Spectrum Holobyte of the US are probably better known for this F-16 flight simulator more than anything else, and inevitably with the popularity of the 3D flight sim as a game it makes a lot of sense to transfer it to the CD medium. If you were a naïve CDTV owner who'd never played a flight sim before, you'd probably love it.



The presentation screens (left) are many and varied, with a whole heap of missions on offer from this compilation of missions package. Once you're on the runway, the sim plays more like a game, but the added audio effects really give it bite.

It doesn't, however, really add a lot for the Amiga owner. Apart from combining the first program with the mission disks, the CD version tends to restrict the ideas of the original rather than expand them. Control has to be made possible from the remote control joystick, so only a minimum number of controls are left in: power up/down, missile load/fire, the joystick moves, radar and target lock, chaff, air brakes, auto-pilot and view switching are all catered for. This is enough to make it very decently playable, but would disappoint some purists.

Control with a joystick is odd, too, tending to be excessively digital and on/off. For the novice, this makes the whole thing easier to handle, but it does tend to make the whole appearance of the game jerkier and less realistic.

There's a good stack of missions here, all nicely judged to appeal at various difficulty levels: and the in-between presentation screens are nicely touched up. In-flight audio is greatly enhanced by the addition of some realistic recorded speech: it's not just random, either, but closely tied to what you do.

This was probably always more of a combat flight game than a sim, and the difference is even more exaggerated in this version. All the same, it's highly enjoyable and a good example of how the computer game exerts its own unique fascination. But it's not about to change the world.

Verdict 75%

XENON 2

£29.99 MIRRORSOFT

Apart from it being an aged shoot-em-up, the distinguishing characteristic of this one is its pioneering of a new form of experimental 3D 'holophonic' sound called 'Space Sound', designed by musical instrument manufacturers Roland.

As the original game was also noted for a pioneering idea in sound - the use of a soundtrack by a pseudo-house group called Bomb the Bass, who were quite popular once - it seems an appropriate gimmick. While it makes for some pretty effectively boomy speech and echoey noises, I can't say it sounded all that 3D, but there you go.

Special studio remixes of Bomb the Bass tracks provide the full hi-fi audio accompaniment, and jolly pleasant they are too. The only thing you might have forgotten in all this audio excitement is the gameplay. While it was a jolly attractive-looking, well-presented and nicely-balanced shoot-em-up three years ago, time has tended to take its toll and it does now look a bit dated. More than just unfashionable: it has the sort of staleness that 1970s shoes do in Oxfam.

When you can get it as an Amiga budget game, the powerful soundtrack is not enough reason for being interested in the CD version.

Verdict 45%



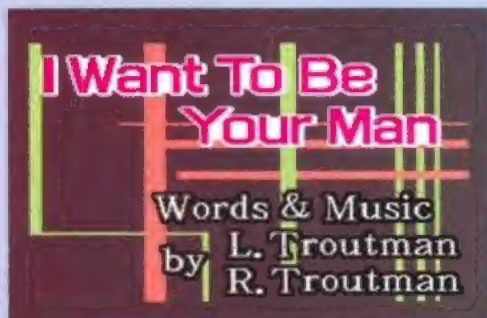
CD+G Karaoke

The DK Karaoke discs are not really Amiga CD titles at all, in that their main purpose is as audio CDs and the graphics information contained on them is not in Amiga format but of the CD+G standard. CD+G, in case you are not aware, is a special kind of audio compact disc which will play on any CD player but also, on a special player, will produce a TV signal containing graphics too.

Naturally, the audio on these discs is soundtracks of popular hit songs with the main vocals removed, while the graphics information is a step-by-step run-through of the words. Not, as I had feared, with a little ball bouncing along

the top of the lines, but instead with the words that you are supposed to be singing highlighted in yellow.

You can't argue that these do the job perfectly well, in so far as the words are legible and the musical arrangements are, for the most part, actually pretty decent. Whether or not you will be interested in buying any of these discs depends solely on two things: firstly, whether you actually want to use your Amiga CD as a home karaoke system; and secondly, whether you actually like any of the songs. We've looked at a couple of discs from the series and they leaned a bit too much towards Seventies disco for my liking, but I believe there are an enormous number of discs available (about 50), so basically you pays your money and you takes your choice. "Working at the car wash, yeah..."



There are about 15 songs on each Karaoke disc, and each song is introduced with a title page like this.



After the title screen, a graphic intro picture like this appears to set the mood.

Hey lady,
let me tell you why,
I can't live my life
without you, oh baby

The most important screen is, of course, the least attractive. But the highlighted words are clear enough.

THE NEW WINDOW IN THE WORLD OF COMPUTER SHOPPING!

With over 90 stores nationwide and still growing, **Calculus** is the largest Independent Computer Multiple in the UK. Each store is independently owned guaranteeing you a high level of service and support.

Calculus offers you the advantage of discussing your purchase decision with a real specialist who can advise you before you buy and, more importantly, will be there to assist you later if you need support or guidance.

CALCULUS STORES THROUGHOUT THE UK.

● ABERDEEN ● ACCRINGTON ● AYLESBURY ● BARNOLDSWICK
● BECKENHAM ● BELFAST ● BEXHILL ON SEA ● BIRMINGHAM ● BLACKPOOL
● BOLTON ● BRIDPORT ● BRIERLY HILL ● BRIGHTLING-SEA ● BRIGHTON
● BRISTOL ● CARDIFF ● CHESTERFIELD ● CLEVELY'S ● COLCHESTER ● DERBY
● DUNDEE ● DUNFERMLINE ● EASTBOURNE ● EDINBURGH ● ENNISKILLEN
● EXMOUTH ● FAREHAM ● FELIXSTOWE ● FORRES ● GATESHEAD
● GLASGOW ● GLOUCESTER ● GOSPORT ● GRANTHAM ● GUILDFORD
● HUCKNALL ● HULL ● IPSWICH ● KINGS LYNN ● LANCASTER ● LEEDS
● LEICESTER ● LYTHAM ST ANNES ● MACCLESFIELD ● MANCHESTER
● MANSFIELD ● MORDEN ● NORTHALLERTON ● NORTHAMPTON
● NORTHWICH ● PLYMOUTH ● RAMSGATE ● READING ● RHYL
● ROSSENDALE ● ROTHERHAM ● SLOUGH ● SOUTHPORT ● STAMFORD
● STOCKTON ● STROUD ● SWANSEA ● SWINDON ● TAMWORTH
● WARLEY ● WHITBY ● WOLVERHAMPTON ● WORCESTER ● YORK...
AND STILL GROWING

FOR YOUR LOCAL CALCULUS STORE
CALL 0543 251275

Phone lines open 9.00am to 5.30pm (Mon. to Fri.)
and 9.30am to 5.00pm (Saturdays)

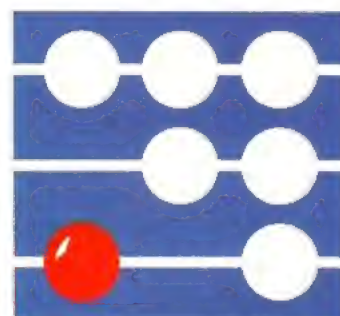
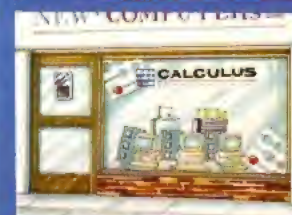


CALCULUS

C O M P U T E R S T O R E S

A
GREAT
DEAL
& MORE

FROM
YOUR
LOCAL
STORE



AMIGA CDTV

Amiga CDTV is a revolutionary new concept in home entertainment and education, representing leading edge technology. The CDTV player combines a high quality performance CD audio system, advanced Amiga technology and infrared remote control to offer a huge range of interactive applications, from Mega games to music and educational applications, e.g. languages (French, German and Spanish).

The integration of CD audio, graphics, animation, video and text gives you true multi media for corporate and business presentations. Each CD-ROM disk can store an incredible 540MB of data, equivalent to a quarter of a million pages of text.

The Amiga CDTV connects to a standard television in the same way as a video recorder and can be connected to a hi-fi system for high quality audio sound.



SAVE
£139.98

RRP - £638.97

CALCULUS
PRICE

£499.99

AMIGA CDTV GAMES PACK

The best value CDTV games pack around featuring two top quality games in original packaging and also the 530 titles megadisc, FRED FISH all completely free.

THE ULTIMATE GAMES SYSTEM FEATURING:-

- Amiga CDTV player
- Software:-
 - ▶ Welcome disc
 - ▶ Lemmings
 - ▶ Hutchinson's Encyclopaedia
- Infra Red Remote Controller



XENON 2

RRP £29.99

The ultimate arcade action game featuring top chart stereo sounds and artist history.



PSYCHO KILLER

RRP £29.99

Driving down unfamiliar country roads after dark, your worst nightmare comes true!!



FRED FISH MEGADISC

RRP £79.00

530 titles on this one CDTV disk free with this package!!



AMIGA CDTV UPGRADE PACK

The CDTV Amiga Upgrade Pack allows existing CDTV owners to tap into the massive base of Amiga 3.5" games software.

Upgrade Pack contains:- • CDTV Amiga keyboard • 3.5 CDTV Amiga external black drive

FRED FISH MEGADISC

530 TITLES ON THIS ONE CDTV DISK WITH THIS PACKAGE!!!

PLUS

WORTH
£79.00
R.R.P.

RRP - £208.99

CALCULUS
PRICE

£149.99



AMIGA CDTV STARTER PACK

The starter pack gives you a full 1MB Amiga compatible system featuring:-

- Amiga CDTV player
- CDTV Amiga keyboard
- Cumana 3.5" CDTV external black drive
- Software:-
 - ▶ Welcome disk
 - ▶ Lemmings
 - ▶ Hutchinson's encyclopedia

FRED FISH MEGADISC

530 TITLES ON THIS ONE CDTV

RRP - £699.99

CALCULUS
PRICE

£629.99



MONITOR NOT INCLUDED

GOLDSTAR COLOUR MONITOR/TV inc

REMOTE CONTROL

- 14" colour T.V.
- 40 Channel Program Memory
- 21 Pin Amiga Scart Lead
- Sleep Timer
- Full Remote Control
- Full function on screen display.



Check the amazing value of the Amiga Compatible Gold Star colour monitor/TV. for just £179.99 and you can have the best of both worlds, a top quality remote control TV and... Amiga Monitor.

SAVE
£55

RRP - £234.99

CALCULUS
PRICE

£179.99

PERIPHERALS & SOFTWARE

CDTV keyboard	£49.99
CDTV Tracker Ball (infrared)	£79.99
CDTV Genlock	£149.99
CDTV 3.5" Amiga External Floppy Drive	£79.99

Top Ten Software Titles

Word Vista Atlas · Moving Stomach Ache
Tales of Peter Rabbit · Long Hard Day At The Ranch · Wrath of the Demon · Sim City
Defender of the Crown · Snoopy · Xenon
· Bun for Barney

SOFTWARE Top Ten Software Titles
with 10% off RRP (Offer open until 30/4/92)



AMIGA 500 PLUS

AMIGA 500 PLUS CARTOON CLASSICS



Complete with the following:-

- Amiga 500+ computer with 1Mb RAM
- A520 TV Modulator
- 1352 2 Button Mouse
- Workbench 2 Disks and Manuals



LEMMINGS

Are you as smart as Lemmings are stupid? Match your intelligence against their lack of it as you play the most original game of 1991.

THE SIMPSONS - BART vs THE SPACE MUTANTS

Hello fellow humans! Bartholomew J Simpson here, with a very important secret: SPACE MUTANTS ARE INVADING SPRINGFIELD.

CAPTAIN PLANET AND THE PLANETEERS

Captain Planet and the Planeteers has turned saving the Earth's environment into the ultimate adventure.

DPaint III

The program that sets the standard for computer painting now with animation.

OFFER ENDS
10th APRIL 1992

RRP - £399.99

CALCULUS PRICE

£349.99

AMIGA 500 and 500 PLUS PERIPHERALS



SAVE
£50



BODEGA BAY A500/A500+ EXPANSION CONSOLE

Have you owned your Amiga 500 long enough to want more - of everything? The Bodega Bay fits into the expansion slot of your A500 and provides four A2000 style expansion slots three of which are combination A2000 Bridge slots that will accommodate a Bridgeboard and two PC cards. The Bodega Bay also has enough space for two half height 5.25 inch drives and one 3.5 inch drive all cooled by the fitted internal fan.

"It's very good looking, sturdy and, for what it is, pretty damn cheap too."

(Amiga Shopper review)

(R.R.P. £299.99) **CALCULUS PRICE £249.99**

COMMODORE 1011
3.5" 880K EXTERNAL FLOPPY DRIVE

R.R.P. £99.99
Calculus Price **£59.99**

COMMODORE MPS 1270
INK JET PRINTER

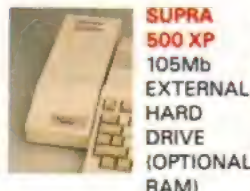
R.R.P. £149.99
Calculus Price **£129.99**

COMMODORE MPS 1230
DOT MATRIX PRINTER

R.R.P. £169.99
Calculus Price **£139.99**

GENIUS GK-T320B
HIGH PERFORMANCE 3 BUTTON AMIGA TRACKERBALL

Calculus Price **£49.99** EX VAT £42.55



SUPRA 500 XP
105Mb EXTERNAL HARD DRIVE (OPTIONAL RAM)

R.R.P. £499.99

Calculus Price **£399.99**



SUPRA RX
8Mb EXTERNAL RAM WITH 2Mb RAM AVAILABLE WITH EXTRA RAM BOARD

R.R.P. £199.99

Calculus Price **£149.99**



MICROBOTICS M501
512K BATTERY BACKED RAM FOR 500/500 PLUS

R.R.P. £29.99
Calculus Price **£25.99**

MICROBOTICS M502
1Mb RAM BOARD FOR THE AMIGA 500 PLUS

R.R.P. £49.99
Calculus Price **£45.99**



MICROBOTICS VXL 30-25 MHZ
68030 ACCELERATOR BOARD

R.R.P. £351.32
Calculus Price **£249.99**

MICROBOTICS VXL 30-40 MHZ
68030 ACCELERATOR BOARD

R.R.P. £457.07
Calculus Price **£399.99**

CAX 345 CUMANA 3.5" DRIVE

R.R.P. £79.99
Calculus Price **£59.99**

ZIPSTICK JOYSTICK

R.R.P. £14.99
Calculus Price **£12.99**

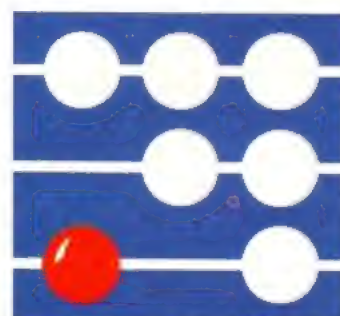
MAVERICK QS128F JOYSTICK

R.R.P. £15.99
Calculus Price **£12.99**

QS102 AMIGA JOYSTICK

R.R.P. £6.99
Calculus Price **£5.99**

COME &
SEE MORE
GREAT
DEALS ON
LEADING
BRANDS
AT YOUR
LOCAL
CALCULUS
STORE



CALCULUS

COMPUTER STORES

FOR YOUR LOCAL STORE... PHONE 0543 251275... FOR YOUR LOCAL STORE... I

THE NEW AMIGA 1500

The Amiga 1500 system offers total compatibility with the Amiga 500, with an unbelievable level of internal expansion options.

All our Amiga 1500's featured, are the latest version, featuring Kickstart 2 ROM and Workbench 2, offering significant enhancements over the previous model.



AMIGA 1500 STARTER PACK



- **AMIGA 1500 'CALCULUS' STARTER PACK** Amiga 1500 Dual Drive, 1Mb RAM Mouse, Manuals and Amiga DOS.
- **THE WORKS - PLATINUM EDITION** A full integrated software package with Word Processor (inc. English Dictionary) Spreadsheet and Database Package.
- **DELUXE PAINT III** Probably the best paint package available, allowing you to display your hidden talents. This award winning software allows you to paint, design or animate.
- **HOME ACCOUNTS** Home accounts with budgeting, forecasting and graphics.
- **ELF** - You will encounter Cornelius the Elf on your travels in the mystical lands of Gooks and Goblins. Weird villainous creatures and devious puzzles test your gameplay techniques and gnostic powers.
- **TOKI** - The arcade sensation that swept the world. Toki has been transformed into a monkey by the evil wizard. He must now try to regain his manhood and rescue his beloved princess Miho. Join Toki on his mythical adventure, full of demons and deadly witchcraft.
- **PUZZNIC** - A puzzle game to top them all. It's fast, furious and devilishly addictive. With 144 levels, the action never stops.

RRP - £699.99

CALCULUS
PRICE

£579.99 (£493.60
Ex VAT)

AMIGA 1500 HD

PROFESSIONAL PACK

Amiga 1500 Dual Drive with 52Mb Quantum Fast Access SCSI Hard Drive Upgrade and Controller Card.

Plus other contents as in the Amiga 1500 'Calculus' Starter Pack.

POWERED
BY QUANTUM
FAST ACCESS
HARD DRIVE

RRP - £1027.00

CALCULUS
PRICE

£829.99 (£706.37
Ex VAT)

Pack contents as with the Amiga 1500 'Calculus' Starter Pack plus the following:- A520 TV Modulator. A TV Adaptor that allows you to use the Amiga 1500 on a colour television.

RRP - £729.99

CALCULUS
PRICE

AMIGA 1500 and

A520 MODULATOR

BEGINNERS PACK

£599.99 (£510.62
Ex VAT)

AMIGA 1500 STARTER PACK & 1084

MONITOR & 1270 INK JET PRINTER



Pack contents as with the Amiga 1500 Starter Pack and 1084 Monitor, plus the MPS 1270 Ink Jet Printer. (Epson FX80/85 compatible Ink Jet Printer.)

RRP - £1109.97

CALCULUS
PRICE

£859.99 (£731.89
Ex VAT)

ON-SITE SERVICE

For total peace of mind - why not take out a 12 months on-site warranty on your new Amiga 1500/2000 system.

£54.99

AMIGA 1500 STARTER PACK

and 1084 MONITOR



Pack contents include the Amiga 1500 'Calculus' Starter Pack plus the following 1084 14" Colour Amiga Monitor with Amiga Cable.

RRP - £959.99

CALCULUS
PRICE

£729.99 (£621.26
Ex VAT)

THE NEW AMIGA 2000 PROFESSIONAL RANGE



The Amiga 2000 has been designed as a basic system expandable to satisfy the needs of the home, business or professional user.

Our Amiga 2000 XT/AT Emulations offer the very best of both worlds. A combination of the Amiga's amazing sound, graphics, speech and video with the ability to use industry standard MS-DOS business applications. An Amiga 2000 and IBM compatible PC in one box.

AMIGA 2000 XT MS-DOS EMULATION

FEATURES

Amiga 2000 Dual Drive with the A2088 XT Bridge Board and 360K 5.25" MS-DOS Floppy Drive
Complete with MS-DOS Operating System
Features NEW Kickstart 2 and Workbench operating system.
Optional Hard Drive available.



RRP - £1229.00

CALCULUS
PRICE

£699.99 (£595.74 Ex VAT)

AMIGA 2000 PVP VIDEO PRESENTATION



SYSTEM

FEATURES:

Amiga 2000 Dual Drive with
• 52Mb Quantum Fast Access SCSI Hard Drive • SCSI High Speed Controller • A2300 Internal Genlock • Deluxe Paint III • Scala Presentation Software • Video Cables and Presentation Video

RRP - £1299.00

CALCULUS
PRICE

£1049.99 (£893.60 Ex VAT)



AMIGA 2000 AT MS-DOS EMULATION

FEATURES

• Amiga 2000 Dual Drive with the A2286 AT286 Bridge Board and 1.2Mb 5.25" MS-DOS Floppy Drive • Complete with MS-DOS Operating System • Features NEW Kickstart 2 and Workbench 2 operating system • Optional Hard Drive available.

RRP - £1449.00

CALCULUS
PRICE

£899.99 (£766.00 Ex VAT)

AMIGA 2000 PERIPHERALS

105Mb Quantum Fast Access SCSI Hard Drive with SCSI High Speed Controller

£279.99 (£238.28 ex VAT)

8Mb Microbotics 8UP DIP RAM Board with 2Mb RAM

£169.99 (£144.69 ex VAT)

2Mb Additional RAM for Microbotics 8UP DIP

£69.99 (£59.56 ex VAT)

NEW! 2Mb Microbotics VXL32 RAM Board for VXL30 Board

£199.99 (£170.20 ex VAT)

25Mhz Microbotics VXL30 030 Accelerator Board

£269.99 (£229.78 ex VAT)

40Mhz Microbotics VXL30 030 Accelerator Board

£399.99 (£340.00 ex VAT)

68881 FPU Co-Processor for Microbotics VXL30 Board

£69.99 (£59.57 ex VAT)

68882 FPU Co-Processor for Microbotics VXL30 Board

£129.99 (£110.63 ex VAT)

A2088 XT Bridge Board with 360K 5.25" Floppy Drive

£119.99 (£102.12 ex VAT)

A2286 AT Bridge Board with 1.2M 5.25" Floppy Drive

£299.99 (£255.31 ex VAT)

AMIGA 2000 SYSTEM FEATURES

- Dual 3.5" 880K Floppy Drive
- 1Mb Chip RAM • 1352 Amiga Mouse
- NEW WORKBENCH 2 discs and Manuals
- Power Cable • Amiga Keyboard

If you require an Amiga 2000 configuration not listed, please contact your Calculus dealer for an unbeatable price quotation.

FREE AMIGA VISION SOFTWARE WITH ALL AMIGA 2000 SYSTEMS

Amiga Vision Authoring System
Amiga Vision lets you create multi media presentations and course-ware which combines graphics, charts, motion video and sound. Normal Retail Price £116.33



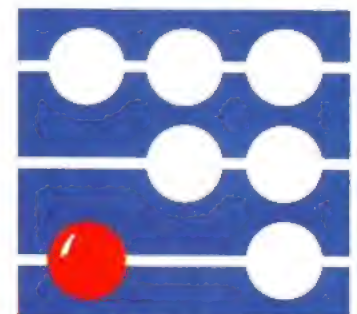
VISIT
YOUR LOCAL
CALCULUS
STORE FOR
A FREE
DEMONSTRATION

OVER SEVENTY
STORES THROUGHOUT
THE U.K.
FOR MORE
INFORMATION AND
THE LOCATION
OF YOUR LOCAL
CALCULUS STORE
PHONE

**0543
251275**

COMPUTER DATABASE
OF CALCULUS STORES

ITEMS HELD IN STOCK MAY
VARY FROM STORE TO STORE



CALCULUS

COMPUTER STORES

FOR YOUR LOCAL STORE... PHONE **0543 251275**... FOR YOUR LOCAL STORE...

There is a place where anything is possible; you can view mountains, pilot planes, drive cars, shoot aliens, draw pictures and listen to sound.

Where? The memory inside your Amiga, of course, amply explained by **Pat McDonald**.

The RAM dimension

THE BEST WAY to think of computer memory is like blank paper. You can endlessly write on it, reshape it, run programs in it. You wipe it by turning the machine off. When you turn on again, everything is scrubbed.

If you're not at all interested in how the memory works, then fine. The whole idea of adding more memory to a computer is that it should be transparent to the person using the machine; the only differences are:

- longer programs will run because more memory is available – programs of greater complexity can be used.
- A few badly written programs will not work anymore.
- You have more options as some programs and hardware make use of extra memory to work better.

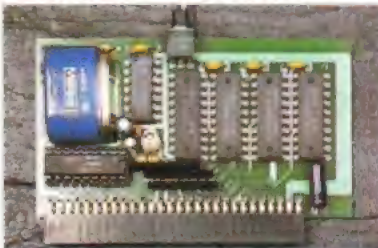
So you get two benefits for one minor loss – and the cost in money of course.

Continued overleaf

A500

TRAPDOOR 512K – TOTAL 1MB

BEST BUY – ASHCOM



The Ashcom board is the smallest, best built and easiest to fit 512K RAM expansion that you can get. Slightly more expensive than other designs, but miles less than the official CBM A501.

Alternatives: the WTS Mammoth or the Virgo 512K. Both of these designs use 256K X 1 chips, and so they use 16 chips rather than four. However, they work perfectly well and the price cannot be matched.

TRAPDOOR 1.5MB – TOTAL 2MB

BEST BUY – VIRGO V2000



Much uprated from the original prototype pictured here, the Virgo board offers good value for a limited design of RAM expansion. Supports 1Mb of chip RAM and 1Mb fast RAM if you upgrade your A500 to have 1Mb of chip RAM.

Alternatives: the Ashcom or Power Computing designs. Actually, lots of people do this design – but both of the above can again be fitted with 1Mb of chip RAM: 1Mb of Fast for slightly more cost than the Virgo.

TRAPDOOR >1.5MB – 6.5MB

BEST BUY – ICD ADRAM



The American ICD design offers 1Mb chip RAM potential, plus it can be expanded up to 6.5Mb. Very reliable, and the necessary command is fairly easy to include in your startup-sequences.

Alternatives: None recommended.

Examples of programs which work better

ANIMATING

Programs which can join together lots of still pictures to form animations (like the excellent *Deluxe Paint III* and *IV* programs from Electronic Arts) benefit enormously from having lots of memory available. The more memory, the bigger the animation can be.

It's that simple. Just one thing to bear in mind though – if you make your animations too long, they won't fit on a single floppy disk! You can always split them down into manageable chunks though.

SOUND SAMPLING

The quite excellent *AudioMaster 2* or *3* can sample sounds into any part of available memory. Think of that! Being able to store 9Mb samples recorded at a high sample rate to give minutes of quality sound.

Of course, you can't save such a big sample to a floppy, although you could split it up into smaller pieces first. The real advantage of having lots of memory and the *AudioMaster* sampling software is that it's less 'hit and miss'. One of the bug bears of sampling is that you often just miss the bit you want from a song. Or perhaps you want a short sample from the beginning, and one from the end. If you can fit the whole of the original sound in memory, you spend more time editing and less time fiddling about with the CD player controls.

WORD PROCESSING

A few word processors can make the most of extra memory. Typically, you'll want to include pictures with your documents. But what if you want to write a book? Practically ALL word processors let you use extra memory to write bigger documents.

If you want to include lots of graphics, then that will take up more memory. *Pen Pal*, *Excellence!* and *Wordworth* all benefit greatly from having more available memory – documents can be much bigger, with more pictures on more pages.

Another task that word processors use extra memory for is for multiple document editing. The above three, plus *ProWrite* and *Protext*, can all open multiple documents, letting you flick between several documents at once. If you have more memory, you can have more documents open at once.

DIGITISING

(*Digiview Gold*, *Vidi Amiga*, *DCTV*, *HAM-E*) Practically all video digitisers in use today make use of extra memory, but the way in which they use it differs from system to system. To make the best use of *Digiview Gold* from Newtek, around 2Mb is desirable, to let you change the graphics mode you are digitising in without quitting the program.

Rombo's *Vidi Amiga* doesn't use extra memory to get better quality images, but does let you grab

frames a series of black-and-white frames. The more memory you have, the bigger the animation can be.

HAM-E really needs extra memory in order to operate. Even on a machine with 1Mb chip RAM and 5Mb of fast RAM, very large images using lots of colours (*HAM-E* can give 256,000 colours on screen can crash the computer).

HAM-E's rival, *DCTV*, uses 5Mb of memory (only 0.5Mb needs to be chip memory). However, this is assuming that all of the *DCTV* programs (including the paint and image processor) are loaded at the same time. This is a very convenient way to digitise (you can something similar by multitasking *Digiview* and *D Paint*). But you don't need 5Mb to use the system – just 1Mb.

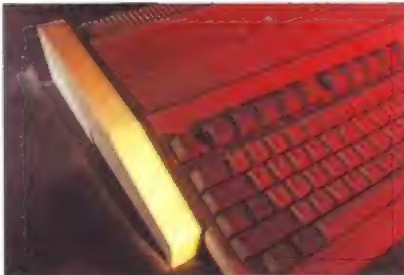
PROGRAMMING

Two programming systems can use extra memory really well. The first is *Devpac 2* or *3* (reviewed on P125). This machine code assembler, text editor and debugger is excellent when used with more than 1Mb, because you can have your source code, object code, text editor, assembler and debugger all in memory at the same time.

The main advantage is that you can work with much larger machine code programs, dealing with a whole project rather than lots of little bits of it. And you can test the code just after you've compiled it, with the debugger. A very fast system indeed for

EXTERNAL - TOTAL 1MB TO 9MB

BEST BUY: SUPRAM 500RX



Excellent slimline design which can take 256K X4 chips for 0.5-2MB expansion, or 1Mb X4 chips for 2-8MB of memory. Through port connector for other peripherals, plus optional power supply to keep running.



Alternatives: Ashcom AX508 or Cortex. The Ashcom is similar to SupraRAM, but has no switch or power supply facility. Only available in 1Mb X4 version to give 2-8MB of RAM. The Cortex has a power supply as standard, excellent manufacture, but no on/off switch. Most reliable but not slimline at all, due to it using SIMMs.

CHIP AND FAST

What is the difference between chip and fast memory? In case you didn't know, chip memory is accessible by the custom chips (Agnus animation, Paula sound and Denise video) and also by the decision making processor - the 68000. Fast memory can only be used by the processor for programs; displayed graphics and sound being played cannot go there, although the processor can store and retrieve such data between fast memory and chip memory.

Upgrading chip memory is usually more expensive compared to getting more fast memory. The best all-in-one solution to take any old Amiga up to the full 2Mb potential is available from Aquarian PD (0914 357 2424). The Mega Chip 2000 costs about £175, but you

must appreciate that the price includes both the 2Mb of memory and the 8372B version of the Agnus chip, normally found only in A3000s (the 8375 used in the A500 Plus is not available as a spare yet). You just whip out your old Agnus chip and plug the board into the socket.

An old A500 can have its chip memory upgraded to 1Mb as per the instructions in the 'Down to Business' article (Page 212 of *Amiga Format* Issue 31). For either the ancient A1000 or the original revision A of the A2000 (both out of production for years) the only solution is a complete circuit board replacement, as the Agnus chip fitted in these machines is a different shape to the current standard.

PAT YOUR HEAD, RUB YOUR STOMACH

Multitasking is a buzz-word associated with Amigas. It means that the computer can run more than one program at once (something that's very difficult to do with other computers). Now, it may not seem very useful but there are times when it's an absolute lifesaver...

Imagine that you're writing a book using a word processor. You've just finished the last line, added a few comments and try to save it to disk. Shock horror, the disk is full! You have no blank disks ready to hand. What do you do?

If the word processor can delete files on a disk, then it's easy - however, not all of them do this. What you could do is flip back to the Workbench by pressing

Alt-V, banging a disk in any available disk drive, clicking on it, selecting Initialise... Voilà, one blank disk ready to be saved on.

This is just one example. A much better one is when you have a program that takes ages to run (like *Vista* on this month's issue). If you had enough memory, you could start *Vista* rendering a picture, then click back to the Workbench to load other programs and continue using your machine for things like word processing or *Deluxe Painting*. Sadly, very few games multitask as they grab all the computer's attention to get the best speed. Who said the Amiga was just a games machine?

INCOMPATIBILITY SOLUTION

No matter which RAM expansion you get, somewhere along the line you may find a program (usually a utility or game) that doesn't like the memory configuration you've got. Such problems are always solvable - you can literally get anything to work. But the cost, time and expertise means that most people don't bother.

Fair enough. If you find such a problem, working a way around it will nearly always require some specialist PD utilities. I don't think anyone has ever done a disk which just has utilities to solve RAM incompatibility problems - but the solutions are there, scattered in an ever widening ocean of Public Domain programs.

with more memory

program development. The other programming language which works better with more memory is AMOS. This version of BASIC lets you store more than one BASIC program at a time - so called accessory programs. So you can put the current version away, make a change, test it, and see if you made the right change.

Then when you're happy, you can save the resulting program. Alternatively, if you've introduced more bugs than there were to start with, you can revert to the older version. There are loads more uses for accessory programs; keeping libraries of subroutines available; having different programs handy for different purposes, and so on.

3D MODELLING

Practically all the 3D ray-tracing packages (*Imagine*, *Sculpt*, *Real 3D* and so on) make use of extra memory. These programs let you draw shapes and objects in three dimensions, by indicating the points between edges (not quite right for *Real 3D* but that's another story).

The more memory you have, the more points you can have for your objects. The more points an object has, the more organic and curved it looks, rather than straight edged and artificial. Of course, having more memory means that you can have more objects too.

3D ray-tracing takes hours on a standard

Amiga. Even with an accelerated machine it takes many minutes, so most people opt for an accelerator card rather than just a memory expansion.

DTP

Everything said for word processors applies to desktop publishing as well. Except that true DTP can cope with things like proportional clip art from *ProDraw* or *Draw4D*, Agfa-Compugraphic fonts, even 24-bit true colour images.

Using all these features makes DTP one of the classic areas for RAM expansion, just behind animation. Although you can design a couple of very simple pages with *ProPage* or *PageStream* on a 1Mb, for really complex and sophisticated DTP 2-3Mb is a minimum (more if you want to multitask).

DATABASES

This is an odd category, because there are two sorts of database. A database is a collection of records grouped on a subject - let's say it's a book collection. Each record would have the author, name of the book, price, number of pages, and any other manner of information common to all.

Some databases store all information on a disk, just recalling individual records as and when they are called for. This sort of database doesn't benefit much from extra memory.

The other (far more common on the Amiga) type

of database is one which keeps the database in memory. *ProData*, the *Superbase* series and *InfoFile* all fit into this category. Naturally, the more memory you have, the more records you can store and each record can be more detailed.

SPREADSHEETS

A spreadsheet is best thought of as a giant mathematical... Don't run away! Solutions, that's what spreadsheets give. Spreadsheets look like giant multiplication tables, with columns running across the screen, and rows going down. A spreadsheet can be much bigger than the screen - you usually scroll around them using the cursor keys.

What are they for then? Suppose you had a really complex problem to solve, like working out what ingredients a restaurant required for a normal week's business. You could just estimate, but a spreadsheet offers a better way.

If certain cells on the spreadsheet determine all the courses served by a restaurant, and how much of each ingredient they use, then you can get the spreadsheet to calculate the total ingredients needed for a given range of courses. Change one course, and the whole equation changes; you get a different answer.

Spreadsheets are usually totally memory based. The upshot of this is that the more memory you have, the bigger the spreadsheet you can have.

A500 Plus

TRAPDOOR 512K - 1.5MB TOTAL (CHIP RAM).

Best Buy: Ashcom board as for the A500. However, if you get that or a similar board and it has a real time clock, you had better disable the clock as having two clocks can occasionally crash the machine.

Alternatives: the WTS and Virgo boards.

TRAPDOOR 1MB - 2MB TOTAL (CHIP RAM). TYPICALLY THE A501+.

BEST BUY: THE PHOENIX BOARD

This board, distributed by FCC, is functionally exactly the same as the A501+, but is smaller and costs a lot less. Why doesn't this or any similar design have a switch like the old 0.5MB boards?

Alternatives: I would expect most memory board manufacturers to start making these boards if they haven't already done so. Check this issue of *Amiga Format* for the latest prices

EXTERNAL - TOTAL 1MB TO 9MB

Any of the A500 externals



A500 Plus internal RAM expansions are becoming quite widespread - the Phoenix here is the first to arrive.

A3000 up.

INTERNAL CHIP EXPANSION



Just buy the chips and get them fitted (don't try doing it yourself - it's very difficult). No expansion card required.

SWITCH ON AND GO

'Autoconfig' is the trademark Commodore gave to a good system. The idea is this: every time you plug something directly into an Amiga 'Zorro' connector, the Amiga recognises it automatically. A Zorro connector, by the way is the left-hand connector on an A500, or the internal sockets on an A1500/A2000 or A3000.

The upshot of this techle fact is that most memory expansions just plug in and go. Sometimes there's an on/off switch on A500 versions, so that you can stop a given expansion from being recognised. But on the whole Autoconfig was well thought out, with the minimum fuss needed to connect peripherals.

The exception to this general rule is the oversize trapdoor expansions for the A500 (soon the A500 Plus too). These give substantial (from 1-6.5Mb) increases in memory, but memory over about 1.5Mb is not automatically recognised by the Amiga. You have to insert a line into the startup-sequence of your Workbench disks, to patch the board into the Amiga system.

RAD: VERSUS HARD DRIVES

RAD: is one of the best uses of a large (1Mb or larger) RAM expansion. RAD's proper name is the Recoverable RAM Disk. Essentially, it lets you turn part of your memory into a floppy disk. If you load Workbench into RAD:, every time you reset the machine, it will reboot Workbench from memory unless a floppy disk is placed in the internal drive.

RAD: is without doubt the fastest way of using Workbench - it's even faster than a hard drive (not surprising, because there are moving parts in a hard drive). However, before you think RAD: is the best thing since sliced silicon, there are snags.

The first is that you still have to load all programs and data from floppy. Although rebooting RAD gives you a quicker Workbench, it's still slow at loading programs in. The other problem is that RAD: occasionally gets Read/Write errors, just like a floppy disk. Exactly why this happens is unknown, although the likelihood is that some programs can accidentally corrupt the memory used by RAD:.

All the same, if you can't afford a hard disk and need a faster Workbench, RAD: is a viable alternative. The actual system is built into the Amiga already. Ready made RAD: disks are available throughout the Public Domain - Quickbench being but one of many. Just boot up with it when you start your work, and Workbench will load in seconds afterwards, just by resetting your Amiga.

The price of computer memory is not fixed; it goes up and down over time. Such fluctuations affect the computer scene enormously - if a computer has lots of RAM, and lots of RAM costs more money, then that computer series will suffer a setback. Over the past several years, the price of RAM (and semiconductors - chips in general) has dropped. Although the price of a chip is high when it is introduced, mass manufacture helps bring the price down.

From the present perspective, it seems that this spiral is not going to slow down, trade wars and similar factors apart. So say you bought a 2Mb RAM expansion which you could stick another 6Mb into. Over the years you could expand it for progressively less money. An A500 512K expansion five years ago cost £150 - today the same board is only £50. That's the official Commodore A501; there are some boards which do exactly the same job for as little as £19.95.

Another important fact to mention is that more memory is being squeezed into the same space all the time. 8Mb RAM chips for portable computers are tiny, even for RAM chips, and eight of them would take an Amiga up to its full capacity - the RAM expansion would be about the same size as a matchbox! (It would be prohibitively expensive too.)

No common computer can match the Amiga in terms of RAM expansion. An A500 or A1500/A2000 can be expanded to 9Mb; an A500 Plus can go up 10 Mb; and any Amiga with an accelerator can go even higher (13 Mb and up). The A3000 is even better; 16 Mb is a conservative estimate of its RAM potential.

This is an important statistic; as computer programs become ever more complex, they grow longer. A common microcomputer of 10 years ago was considered adequate at 16K; today 1MB is seen as a nice canvas to work on (remember the blank paper?).

So, if you think that Amiga programs are good today, remember that tomorrow's will be better but bigger. It's going to become cheaper to expand your machine, and programmers can add lots of graphics and sound to the same old boring shoot-em-up games.

The A500 Plus marked an important step in establishing the Amiga's domination in the arena of computer memory stakes. The original A1000 was 256K, expandable to 512K internally; the A500 was 512K, officially expandable to 1Mb internally (unofficially a lot more via large (1MB-6.5MB trapdoor expansions); and the A500 Plus has 1Mb, expandable to 2Mb internally.

Internal memory is very important; a programmer can write a program confident that the user has a set amount of memory. Nowadays, 1Mb users are the biggest category; do be aware of this as programs which run in 512K of memory are going to decline.

In years to come, it is probable that programs will commonly need more memory as more and more people upgrade their machines. However, it will be quite some time before the majority of people have more than 1Mb.

Understand that different types of memory expansion use different kinds of chip technology, and in most cases these are not interchangeable. The mainstay of the Amiga scene up to about two years ago was the 256K X 1. Although cheap, this type of chip is small in capacity - you needed 16 of them to get just 512K (0.5Mb).

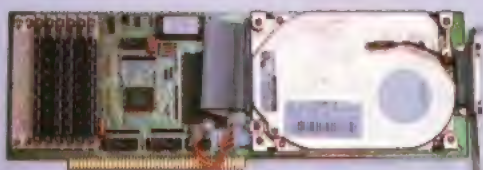
These days the 256K X 4 chips are becoming more standard. These chips are much bigger in capacity, and so you only need four such chips to give 512K. Such chips are used on: the A590 hard drive; the SupraRAM 2000 for the A1500/A2000; and the myriad 512K expansions for the A500 and the A500 Plus.

Now coming into full production are the

A1500/A2000 and Plus versions

2-8MB CARD (INTERNAL)

BEST BUY: GVP SERIES II HARD DRIVE



If you need a memory expansion, it makes a lot of sense to get a hard drive with a memory expansion instead. You can just buy a GVP memory board (it's called the HC8) but this is the best all-round deal you can get. Uses SIMMs, cannot be disconnected.

Alternatives: the Nexus series are very similar to GVP products. If you just want a RAM board, there is the ICD2091 or the SupraRAM 2000 – both of these units use 256K x 4 chips, so you need lots and lots of chips to get the full 8Mb.

1Mb x 4 types (often just called the 4Mb). These can store 512K of memory on a single chip. Although they are uncommon (they are a different shape to other chips, called a ZIP) and still expensive, they are popular for larger memory expansions (Ashcom AX508 and the SupraRAM 500RX again). The important factor is the less chips you have, the more reliable the board, because there is less to go wrong.

The final kind of RAM is SIMM (Single Inline Memory Modules). These are small circuit cards with chips on, a little bigger than a stick of chewing gum yet able to store 1Mb. Rather than having pins like normal chips, they just snap into place. SIMM's are the most reliable and easiest to fit, though a bit more expensive unless you buy lots at once.

EXPENSIVE EXPANSIONS

There is yet another way to increase the memory on your Amiga, and that's to fit an accelerator card. An accelerator is essentially a card with a faster decision making chip, or 'Central Processing Unit'. The standard CPU in all Amigas except the A3000 is the Motorola 68000.

Such standard Amigas can be expanded to around 9Mb (8Mb fast, plus 1Mb chip memory – 2Mb chip memory in the case of the A500 Plus). However, by putting a later version of the Motorola 68XXX series into your Amiga (such as the 68020, 68030 or 68040) vastly more can be connected.

The amount of memory that can be added onto an accelerator card, for use with such CPU chips varies from one manufacturer to another. At least 1Mb is included with such cards, with a maximum of between 4Mb (in the case of Solid State Leisure's A5000) and 32Mb (certain GVP accelerator cards for the A1500/A2000).

This memory can be used with the standard memory of an Amiga quite happily, so even a standard A500 could have about a dozen MBs available for you to use. This accelerator memory ("32 bit memory") is much faster than the standard stuff though.

The bad news is that accelerator prices are still costly. £199 for a 1Mb A5000 is the absolute bottom line. But when you consider that such a board four years ago would cost more than double that, you can see that accelerators are coming down in price, just as RAM chips do.

How much should I get?

This section is designed to give a rough idea of just what you can do with any given amount of memory. The amounts given are the total memory, so don't think that you need a 2Mb RAM expansion to use RAD: when a 1Mb plus the internal memory will suffice. The reason why very large expansions are lumped under 'Vast' is that most expansions go straight from 4Mb to 8Mb capacity – there is rarely an in between stage.

Also note that the percentage figures are approximate. The percentage for games varies because quite a sizeable amount of software is limited to 512K (that's why there's a switch on most 512K RAM boards); b) because some software needs 1Mb and c) there is a further category which are limited to 1Mb, and will not work on larger memory systems.

A lot of PD needs 1Mb or more of memory. The amount of PD software which needs just 512K is very small indeed; practically all PD works with large memory systems. The only PD which needs very large amounts of memory (2Mb-6Mb) is of the graphics demo variety – generally stuff by Eric Schwartz or Tobias Richter. Serious software is clearly the most compatible sort with large memory Amigas.

512K.

70 per cent of games work. 60 per cent of PD works. Adding extra drives is prohibitive. Only perhaps 25 per cent of serious software works. Perhaps 256K can be used for multitasking. All these figures are going to go down.

1MB.

98 per cent of games and 94 per cent of PD work. 90 per cent of serious software works. Around 700K is available for multitasking. Disk drives need to occasionally be disconnected to free memory. However, few programs will multitask correctly unless they are very short. Many programs use all of 1Mb.

2MB.

93 per cent of games and 96 per cent PD work properly. 95 per cent of serious software works fine. Around 1.7Mb is available for multitasking. Disk drives need never be disconnected unless a program is incompatible (rare). Hard drives become quite viable. Two or three good sized programs will multitask. RAD becomes a cheap alternative to a hard drive.

3MB

93 per cent of games and 96 per cent of PD work fine. 98 per cent serious OK. Around 2.7Mb is used for multitasking (few programs actually need 3Mb for just themselves). Disk drives as above. Hard drives do not overload the system at all. Usually fitted in conjunction with a hard drive, although RAD is still acceptable. Workbench becomes a dream.

4MB.

93 per cent of games and 97 per cent of PD. 99 per cent of serious software. Around 4.7Mb is available for multitasking. This is working at near workstation levels, with many different programs running simultaneously. All disks as above (although with buffering the Amiga side hard disks can be slightly optimised again). RAD starts consuming huge amounts of memory compared to a hard drive.

VAST (LARGER THAN 4MB).

93 per cent of games and 99 per cent of PD work. Up to 8.5Mb (9.5Mb for an A500 Plus) can be used for multitasking – as a lot of serious software interacts through ARExx, the computer can be setup to process information continually without human observation. 3D rendering systems start producing acceptable, organic pictures as the amount of point data reaches something close to real world mechanics. A hard drive is highly desirable, because it will take about five minutes to load all 8Mb of programs from floppy alone.

ACCELERATOR WITH RAM

We're talking about an accelerator with a 68020, 68030 or 68040 here. Perhaps only 70 per cent of games and PD work. Many of the shortcut programming tricks used with the standard 68000 don't work with accelerators. A small amount of serious software doesn't work either – but 97 per cent does. The programs that do work with accelerators run like the wind.

The true advantage of the accelerator is the speed gain. All flight simulations and similar games works with these products, and the difference in smoothness, playability and realism is excellent. Workbench moves like lightning – the 'Zzz' icon becomes a rare occurrence. The amount of RAM you get with the accelerator determines what software you can use. Get the fastest with the most memory, and you'll be using an Amiga that scorches your desktop. Pricey, but the best way to get more memory.



PHOENIX

RAM expansions made for the older A500 will not work with the new A500 Plus if they are populated to more than 512k. Phoenix have developed a range of RAM expansion units specifically for the new A500 Plus.

WHY DO YOU NEED PHOENIX RAM EXPANSIONS?

Phoenix RAM Modules can expand your chip RAM up to 2Mb using the trap door expansion port.

The A500 Plus can only be expanded to 2 Mb of chip RAM using the trap door expansion port.

Chip Ram is required to unleash the full graphics capabilities of the Amiga 500 Plus

Phoenix Ram expansion modules are built to the highest possible standards in the U.K.

Each unit is individually inspected and tested before release.

Phoenix 1 Mb RAM modules come in either 512K, 1Mb or unpopulated configurations.

All Phoenix product is backed by a full 2 year replacement guarantee.



EXPAND

your **AMIGA A500 Plus**

with the

A500 Plus 1Mb RAM modules

The Phoenix 1mb RAM expansion is available either unpopulated, populated to 512K or fully populated to 1Mb. All boards use industry standard 256 by 4 DRAMs. The Phoenix Ram will fit simply into the trap door expansion port without any modification and **Will Not** invalidate your warranty.

Unpopulated
only £19.99

512K populated
only £34.99

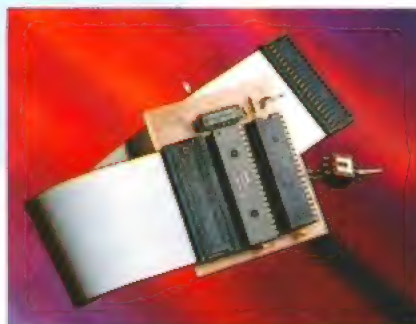
1Mb fully populated
only £49.99



Kickstart ROM 1.3/2.04 sharer

Some older Games and Business software will not run on the new kickstart 2.04 Rom. Phoenix have designed a sharer for both ROM chipsets. You get all the benefits of the latest A500 PLUS WITHOUT the problem of incompatibility.

UPDATING YOUR 1.3 AMIGA TO 2.04! is made easy with the NEW PHOENIX ROM SHARER. Designed to take the 2.04 chip without the hassle of modifying the mother board. Suitable for all revision machines INCLUDING 3 and 5.



Kickstart ROM 1.3/2.04 sharer
only £24.99 (ROM chip not included)

Kickstart ROM 1.3 chip
only £29.99

Kickstart ROM 2.04 chip
only £39.99

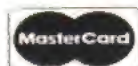
NOW IN STOCK

Order Hotline

TEL. 0532 311932

FCC Distribution, Unit 8, Armley, Park Court, Stanningley Road,
Leeds LS12 2AE Tel (0532)311932 Fax 637689

Phoenix products are solely distributed in the UK by FCC Distribution Ltd.
TRADE ENQUIRIES WELCOME





CHAOS?
ORDER!

AMIGA SHOPPER

LATEST ISSUE OUT NOW £1.25

AMIGA 500 PACKS



Now includes free 0.5 Mb up-grade

Excellent value at only **£399.99**

All our Amiga's are UK specification and come complete with the following:—

Amiga Pack 1 (Classic Pack)
512K random access memory
Built-in disk drive
4096 colour graphics
4 channel stereo sound
Kickstart 1.3
Workbench 1.3
Extras 1.3 and tutorial disk
Amiga mouse
TV modulator
Power supply unit
A500 keyboard

Bart Simpson
Captain Planet
Deluxe Paint III
and 'game of the year'
Lemmings

We also give you:—
Mouse mat and pocket
dust cover, 10 blank disks
and box, Quickshot
Python, 1 joystick.

Plus
10 more Great Games
Football Manager
Hotshot
Las Vegas
Flight Path 737
Fireblaster
Karting Grand Prix
Thai Boxing
Seconds Out
Mouse Trap
Plutos

Amiga Pack 2
(Classic Pack Plus)
As Pack 1 but also
includes the Cumana
CAX354 external disk
drive

£454.95

Amiga Pack 3
(Classic Printer Pack)
As Pack 1 but includes the
Star LC200 full colour
printer

£604.95

Amiga Pack 4
(The Ultimate Pack)
As Pack 1 but includes
Star LC200 colour printer
plus Philips CM8833/II
stereo colour monitor

£834.95

Amiga Pack 5
(Educational Pack)
As Pack 1 but includes a
selection of educational
software:—
Spell Book (ages 4-9)
Things to do with words
(ages 5-12)
Things to do with numbers
(ages 5-10)
Let's spell at the shops
(ages 4-10)
Let's spell at home
(ages 4-10)
Let's spell out and about
(ages 4-10)
Puzzle Book 1 (5 to adult)
Puzzle Book 2 (5 to adult)

£499.95

Amiga Pack 6 (Gamers Pack)
As Pack 1 but also
includes some of the
hottest games:—
F29 Retaliator,
F19 Stealth Fighter,
Lotus Esprit Turbo
Challenge,
Swiv (Silkworm II),
Flight of the Intruder

£479.95

PRINTERS

All our printers are UK specification and are covered by a 12 months warranty. All the prices include a printer lead and a tailored dust cover



Star LC-20 A popular low cost Mono Printer
Multiple font options from front panel
Excellent paper handling facilities
Simultaneous, continuous and single sheet stationery
240x240 DPI graphics

£149.95

Star LC 24-10
24 Pin Version of LC10
Excellent letter quality print
360x360 DPI graphics
8 resident fonts
Additional font cartridges available

£214.95

Star LC200 Colour Printer
An excellent value for money Colour Printer
240 DPI 9 pin colour
Front panel pitch selection
Push/pull tractor feeds
Reverse paper feeds
16K buffer
8 resident fonts
Supplied with colour and mono ribbons
Front panel programmable
Paper park with auto single sheet loading

£204.95

Star LC24-200 Mono Printer
80 column dot matrix printer
7K buffer expandable to 39K
10 resident fonts
Paper park with auto single sheet loading
Supplied with mono ribbon
Faster than LC24-10
Extra font cartridges available
Front panel pitch selection
Programmable from front panel

£249.95

Star LC24-200 Colour Printer
360 DPI 24 pin colour printer
30K buffer expandable to 62K
10 resident fonts
Front panel pitch selection
Reverse paper feed
Paper park with auto single sheet loading

Supplied with colour and mono ribbons
Front panel programmable
Extra font cartridges available

£294.95

Citizen 120D+
A very popular low cost mono printer centronics/RS232/CBM 64 serial.
Please specify interface when ordering (two year warranty)

£144.95

Citizen 124D 24 pin Mono Printer
8K buffer expandable
Push and pull tractor feeds
3 fonts with excellent letter quality
(two year warranty)

£204.95

Citizen Swift 9 pin Colour Printer
8 K buffer
240x240 DPI colour graphics
Push and pull tractor feeds
Excellent print quality
(two year warranty)

£224.95

Citizen Swift 24 pin Colour Printer
European Printer of the Year 1990
24 pin version of the 9 pin colour printer
360x360 DPI colour graphics
Push and pull tractor feed

£314.95

PERIPHERALS

We stock a large range of peripherals, all of the highest quality. If you can't see the one you require please give us a call to see if we stock it.



Mice and Trackballs

Naksha Upgrade Mouse
Amiga/Atari switchable
Simply the best
280 DPI resolution
Ergonomic design
Smooth precise operation
2 years guarantee
Free mouse mat
Free mouse pocket
Now includes
Operation Stealth from US Gold. Only

£22.95

Mega Deals, Multi-Choice

Squik Mouse
Low cost Amiga/Atari
Replacement mouse
260 DPI resolution
Smooth slick operation.
Only

£14.95



Amiga Trackball by Alfa Data
Switchable between Atari and Amiga with the third button.
This must be the best value trackball available. At only

£29.95

Scanners

The Naksha Scanner
For the Amiga A500
400 DPI 32 grey shade handheld scanner
Package includes:
Naksha hand scanner
A500 Interface
Power supply unit
Data Scan professional software "The Ultimate Scanner Software"
Only

£89.95

RAM Expansion Boards

Amiga A500 0.5 Mb RAM expansion board
Increases memory to 1 Mb
16 Bit technology
Replacement for A501 expansion
Fit in minutes
On/off switch.

£26.95

£29.95

Amiga 1.5 Mb RAM expansion

If you need more memory then this board is for you. Adds an extra 1.5 Mb of RAM to your machine giving a total of 2 MEGS. Complete with clock/calendar. Uses the latest technology DRAMS for low power consumption. 12 months guarantee. Requires Kickstart 1.3 or later. Easily fitted into the slot under your A500. Requires no soldering (the cover of your A500 must be removed for fitting the "Plug In" Connector). Only

£79.95

Fitting service available. Phone for details

Supra RAM 500 RX memory expansion
0.5, 1, 2, 4, or 8 Mb fast RAM for Amiga 500 computers

Easily plugs into A500 expansion port
Amiga bus through port
Easily expandable zero wait states and hidden refresh lets you run larger and more sophisticated programs
Allows creation of large and very fast RAM disks
Test mode and software simplify troubleshooting
On/Off switch

Supram 500RX 2Mb
Supram 500RX 4Mb
Supram 500RX 8Mb

£195.00
£270.00
£420.00

External Disk Drives



Cumana CAX354
Very quiet Slimline design Throughport connector On/off switch on rear Long connecting cable 880K formatted capacity Fits all Amigas

ONLY £54.95

Supradrive for Amiga A500

Using state of the art technology, these drives use the same amount of power as a floppy disk drive. These drives are shipped formatted and ready to use, so you can simply plug-in your drive turn on your computer and the system is ready to use. The drive can be configured as autoboot or non autoboot, it can have upto 8Mb of Ram and as many as six SCSI drives can be connected together. The drives also come with "express copy", hard disk backup software, "superboot" and "supertools", file management and formatting programs.

52Mb Hard drive with 0.5Mb Ram
52Mb Hard drive with 2Mb Ram
80Mb Hard drive with 0.5Mb Ram
80Mb Hard drive with 2Mb Ram
105Mb Hard drive with 0.5Mb Ram
105Mb Hard drive with 2Mb Ram

£449.00
£509.00
£549.00
£599.00
£599.00
£659.00

We also stock the range of Supra modems, phone for details

Zydec External Drive
Very quiet
Slimline design
Quality citizen drive mechanism
On/off switch on rear
Long connecting cable
880K formatted capacity
Fits all Amigas Only



£49.95

Master Sound — Mono Sound Sampler
A low cost high features sound sampler package includes hardware and software with a host of features to sample and edit music live onto your Amiga. Only

£34.95

Miscellaneous

Midi Master — Midi Interface for the Amiga
Midi in — 3X Midi out and Midi through
Compatible with all leading midi software
Fully OPTO isolated
Includes two free midi cables
Please state A500/1000/2000 when ordering. Only

£26.95

Action Replay MKII by Datal

A whole host of features including Freezeframe, Boot Selector, Virus Detection and much much more. Only

£57.95

Replacement Amiga A500 power supply
Replacement internal disk drive for Amiga A500 (original Commodore one — no modification required)

£39.95

£69.95

Soundblaster



The amazing Soundblaster adds a new dimension to your games. Blasting out stereo sound at 5 watts per channel into two high quality 50 watt 3 way speakers. The pack comes complete with an AC power supply and as an added bonus there is a pair of free stereo headphones

ONLY £44.95

DISKETTES

Amazing Offers on 3.5" DSDD KAO BULK DISKETTES

25 DSDD 135 tpi	£11.95
50 DSDD 135 tpi	£21.95
75 DSDD 135 tpi	£31.95
100 DSDD 135 tpi	£37.95
200 DSDD 135 tpi	£71.95
500 DSDD 135 tpi	£169.95
1000 DSDD 135 tpi	£309.95

All 3.5" disks are supplied with labels and are 100% error free 2 for 1 guarantee

Rainbow Diskettes

Red, green, yellow, orange, black, white. Colours and quantity of your choice

3.5" DSDD Disks

25 DSDD 135 tpi	£13.75
50 DSDD 135 tpi	£26.45
100 DSDD 135 tpi	£44.95
200 DSDD 135 tpi	£84.95

3.5" DSDD SONY BULK DISKETTES

25 DSDD 135 tpi	£13.45
50 DSDD 135 tpi	£23.95
100 DSDD 135 tpi	£42.95
200 DSDD 135 tpi	£81.95
500 DSDD 135 tpi	£189.95
1000 DSDD 135 tpi	£349.95

Remember!! Remember!! Remember!!

We only supply top quality diskettes. Our 3.5" diskettes are manufactured by KAO and our 5.25" diskettes are manufactured by ATHANA.

We do not sell substandard diskettes from the Far East

MONITORS



Philips CM8833/II Stereo Colour Monitor
All our monitors are of UK specification, are covered by a 12 month warranty and come complete with a connecting lead

£244.95

MEDIA DIRECT

Media Direct Computer Supplies Ltd
Unit 3 Railway Enterprise Centre
Shelton New Road, Stoke on Trent
Staffordshire ST4 7SH

PHONE NOW ON 0782 208228

DISKETTE STORAGE BOXES

All our storage boxes come with anti static lid, two keys and dividers where applicable



3.5" 100 capacity box	£5.95
3.5" 80 capacity box	£5.45
3.5" 50 capacity box	£4.95
3.5" 40 capacity box	£4.45
5.25" 100 capacity box	£5.95
5.25" 50 capacity box	£4.95

Offer

Deduct £1.00 from above box price if purchasing a quantity of diskettes (Min 25 disks)



5.25" or 3.5"	
10 capacity boxes	
1	£0.95
5	£4.50
10	£7.95

Stackable Storage Boxes

These boxes are ideal for the person who requires an alternative to the standard style box or who has a large number of disks to store



Posso Box

The Posso box holds 150 3.5" diskettes or 70 5.25" diskettes and can be stacked horizontally or vertically

£16.45

Please state 3.5" or 5.25" version when ordering

Bulk Storage Box

Ideal for bulk storage of diskettes, each box can hold upto 250 3.5" diskettes

1	£22.95
3+	£21.95
5+	£20.95

Banx Box

Stacks horizontally and vertically and can hold upto 90 3.5" diskettes



1	£9.00
3+	£8.50
5+	£8.00

JOYSTICKS

Speedking Standard	£9.95
Speedking Autofire	£10.95
Speedking Sega	
Megadrive	£10.95
Navigator	£13.95
String Ray Standard	£14.95
String Ray Autofire	£15.95
String Ray Sega Megadrive	£
Manta Ray Standard	£12.95
Manta Ray Autofire	£14.95
Manta Ray Sega	
Megadrive	£14.95
Zipstick Standard	£11.95
Zipstick Autofire	£13.95



Competition Pro 5000	
Black	£11.95
Competition Pro 5000	
Clear	£11.95
Competition Pro Glo Extra	£13.95
Competition Pro Extra	£13.95
Competition Pro Star	£13.95
Python 1 Turbo III (QS137F)	£9.95
Python 3 Sega Megadrive	£9.95
Apache 1 (QS131)	£6.95
Flightgrip 1 (QS129F)	£8.95
Maverick 1 (QS138F)	£13.95
Chimera 3 Sega	
Megadrive (QS140)	TBA
Intruder 1 (QS149)	TBA
Intruder 3 Sega Megadrive (QS150)	TBA
Aviator 1 (QS155)	TBA
Aviator 3 Sega Megadrive (QS156)	TBA

ACCESSORIES

All our accessories are of the highest quality

General	
Mouse mat	£2.50
Mouse pocket	£1.50
3.5" disk drive cleaner	£1.95
5.25" disk drive cleaner	£1.95

Atari dust cover	£3.95
Amiga dust cover	£3.95
Star LC10 dust cover	£5.95
Star LC24-10 dust cover	£5.95
Star LC200 dust cover	£5.95
Star LC24-200 dust cover	£5.95
2 piece printer stand	£5.95
Tilt 'n' turn monitor stand	£12.95
Monitor plynth	£19.95

Switches and Cables

Monitor Cables	
Amiga to CBM 1084S monitor cable	£9.95
Amiga to Philips CM8833 cable	£9.95
Amiga to scart cable	£9.95
Amiga to Hitachi/Granada 7 pin din	£9.95
Amiga to multisync 15 pin 3 row plug	£9.95
Amiga to multisync 15 pin 3 way socket	£9.95



Data/Printer Cables	
Parallel printer cable 36 way to 36 way	£7.95
centronics cable	£7.95
25 way D-type male/male cable	£7.95
25 way D-type male/female cable	£7.95
25 way D-type fem/fem cable	£7.95

Data Switches	
2 way parallel data switch	£12.95
2 way serial data switch	£12.95
3 way parallel data switch	£17.95
4 way parallel data switch	£22.95

Miscellaneous

Amiga 4 player adapter	£6.95
Atari 4 player adapter	£6.95
Mouse/joystick switcher	£12.95
Mouse/joystick extender cable	£5.95

PRINTER RIBBONS

We stock a large range of ribbons. If you can't see your particular type listed then please phone us for a quote

Star	1	5
LC10 mono	£2.95	£13.25
LC10 colour	£5.95	£26.75
LC24-10 mono	£4.95	£22.25
LC200 mono	£5.50	£24.75
LC200 colour	£10.95	£49.25
LC24-200 mono	£4.95	£22.25
LC24-200 colour	£11.95	£53.75

Citizen 120D Mono	£3.29	£14.80
Citizen Swift 24 mono	£3.29	£14.80
Citizen Swift 9 mono	£3.29	£14.80
Citizen Swift 24 colour	£11.95	£53.75
Citizen Swift 9 colour	£11.95	£53.75

EDUCATIONAL SOFTWARE



Spell Book (ages 4-9)	£17.95
Things to do with words (ages 5-12)	£17.95
Things to do with numbers (ages 5-10)	£17.95
Let's spell at the shops (ages 4-10)	£17.95
Let's spell at home (ages 4-10)	£17.95
Let's spell out and about (ages 4-10)	£17.95
Puzzle Book 1 (ages 5-adult)	£17.95
Puzzle Book 2 (ages 5-adult)	£17.95

BOOKS

We stock a large range of Abacus books suitable for advanced programmers as well as beginners



Advanced system programmers guide	£32.45
Amiga 3D graphics basic programming	£18.45
Amiga basic inside and out	£18.95
Amiga C advanced programmers guide	£32.45
Amiga C for beginners	£18.45
Amiga DOS inside and out	£18.45
Amiga DOS quick reference	£8.95
Amiga desktop video guide	£18.45
Amiga disk drives inside and out	£27.95
Amiga for beginners	£12.95
Amiga machine language	£14.95
Amiga printers inside and out	£32.95
Amiga system programmers guide	£32.95
Best Amiga tricks and tips	£27.45
Making music on the Amiga	£32.95

Quality and Value Direct to You

CONSOLES



ONLY £119.95

Sega Game Gear



ONLY £94.95

Megadrive Software

Afterburner II	£27.95
Altered Beast	£27.95
Alex Kidd	£24.45
Arnold Palmer Golf	£27.95
Arrow Flash	£27.95
Battle Squadron	£31.45
Budocan	£31.45
Columns	£24.45
Crackdown	£27.95
Cyberball	£27.95
Dick Tracey	£31.45
Dynamite Duke	£27.95
Eswat	£27.95
Forgotten Worlds	£27.95
Gain Ground	£27.95
Ghostbusters	£27.95
Ghouls 'n' Ghosts	£35.45
Golden Axe	£27.95
Herzog Zwei	£27.95
James Pond	£31.45
JB Douglas Boxing	£27.95
John Madden U.S. Football	£31.45
Last Battle	£27.95
Mickey Mouse	£31.45
Monster Lair	£27.95
(Wonderboy III)	£27.95
Moonwalker	£27.95
Mystic Defender	£27.95
PGA Golf Tour	£31.45
Phantasy Star II	£46.95
Populus	£31.45
Rambo III	£24.45
Revenge of Shinobi	£27.95
Shadow Dancer	£27.95
Sonic the Hedgehog	TBA
Space Harrier II	£27.95
Strider	£34.95
Super Hang On	£27.95
Super League Baseball	£27.95
Super Monaco G.P.	£27.95
Super Real Basketball	£27.95
Super Thunderblade	£27.95
Sword of Sodan	£31.45
Sword of Vermilion	£39.45
Thunderforce II	£27.95
Twin Hawk	£27.95
World Cup Italia '90	£24.45
Zany Golf	£31.45
Zoom	£24.45
Fantasia	TBA
Spiderman	£31.45

Megadrive Accessories

Arcade power stick	£32.95
Audio/video cable	£6.95
Control pad	£12.95
Power base converter	£27.95

Game Gear Software

Columns	£16.95
Pengo	£16.95
Psychic World	£16.95
Putter Golf	£16.95
Super Monaco G.P.	£16.95
Wonder Boy	£16.95
Woody Pop	£16.95
Dragon Crystal	£19.95
Donald Duck	£19.95
G. Loc	£19.95
Golden Axe	£19.95
Mickey Mouse	£19.95
Ninja Gaiden	£19.95
Outrun	£19.95
Space Harrier	£19.95
Shinobi	£19.95
Baseball	TBA
Frogger	TBA
Joe Montanna Football	TBA
Kinetic Connection	TBA
Talot	TBA

Game Gear Accessories

AC mains adaptor	TBA
AV cable	TBA
Car lighter adaptor	TBA
Game Gear to Game Gear cable	TBA
Game Gear TV tuner	TBA
Rechargeable battery pack	TBA



Atari Lynx

Atari Lynx Console with mains adaptor and California Games	£119.95
Atari Lynx Console with mains adaptor	£94.95
Atari Lynx Console	£74.95

Atari Lynx Software

A.P.B.	£23.95
Blockout	£23.95
Blue Lightening	£23.95
California Games	£23.95
Chess Challenge	£23.95
Chips Challenge	£23.95
Electrocop	£23.95
Gates of Zendocon	£23.95
Gauntlet III	£27.95
Klax	£23.95
MS Pacman	£23.95
Ninja Gaiden	£23.95
Pacland	£23.95
Paperboy	£23.95
Rampage	£27.95
Road Blasters	£23.95
Robo Squash	£23.95
Rygar	£23.95
Shanghai	£23.95
Slime World	£23.95
Turbo Sub	£23.95
Warbirds	£23.95
Xenophobe	£23.95
Zaylor Mercenary	£23.95

Atari Lynx Accessories

Car Lighter Adaptor	£9.95
Sun Screen	£6.95
Carry Pouch	£9.95
Kit Bag	£14.95
Mains Adaptor	£12.95

It's not possible to list all Console Software as we hold large stocks. Please ring for latest releases and prices.

THIS MONTHS SPECIALS

OFFER 1
CUMANA EXT. DRIVE
PLUS 512K RAM
EXP.
£86.95 £84.95

OFFER 2
ACCESSORY PACK
MOUSE MAT,
MOUSE POCKET,
DISK CLEANING KIT,
DUST COVER
£9.95 £7.99

OFFER 3
CUMANA EXT. DRIVE
PLUS XCOPY PRO
£94.95 £89.95

OFFER 4
CUMANA EXT. DRIVE
PLUS BLIT-A-COPY
£91.95 £89.95

OFFER 5
200 3.5" DSDD +
2 100 CAP BOXES
£79.95 £67.95

HOW TO ORDER



0782 208228



BY POST

Make cheques and postal orders Payable to MEDIA DIRECT, Please send this together with your name and address, daytime telephone number if possible and your order requirements, to:—

MEDIA DIRECT COMPUTER SUPPLIES LIMITED
DEPARTMENT 650297
UNIT 3, RAILWAY ENTERPRISE CENTRE
SHELTON NEW ROAD, STOKE ON TRENT
STAFFORDSHIRE ST4 7SH

FAX: 0782 281506



Carriage charges

Please add £3.35 per order for postage and packing.

£5.00 for orders over £150.00

Software and cartridges £1.25 per item

Guaranteed TWO Day delivery £6.95

Guaranteed NEXT Day delivery £9.00

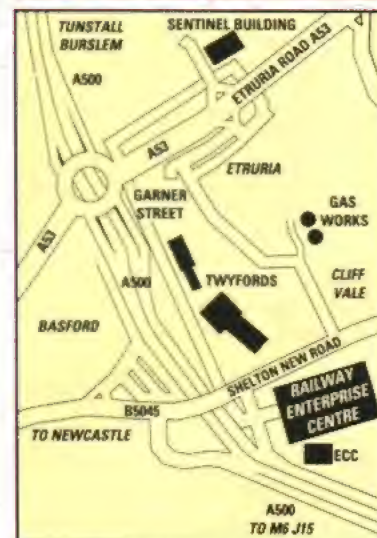
Remember!!! Remember!!! Remember!!!

Media Direct are a well established company with a reputation for its quality and service. A point to consider before purchasing your computer goods. So why not buy from us and put our reputation to the test.

All stocks, offers are subject to availability and to being the latest advertised packs and prices.

(Pack details may vary from time to time) E&OE

HOW TO FIND US



Come and visit our showroom where these and many other products are on display

MEDIA DIRECT

Media Direct Computer Supplies Ltd
Unit 3 Railway Enterprise Centre
Shelton New Road, Stoke on Trent
Staffordshire ST4 7SH

PHONE NOW ON 0782 208228

GOVERNMENT, TRADE AND EDUCATIONAL ORDERS WELCOME

Amiga Format back issues

ISSUE 14

The world of 'free' Public Domain software explored

ISSUE 16

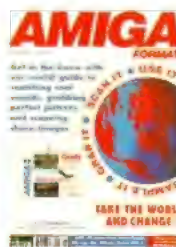
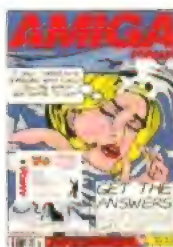
The first exciting look at the CDTV

ISSUE 17

True colour: set to change the world?

ISSUE 19

Beginners: how to get your rights!



ISSUE 20
How to get started in seven major Amiga areas.

ISSUE 21
Learn which paint packages to buy, which to avoid!

ISSUE 22
Sampling, scanning and digitising made easy.

ISSUE 25
DTP: what it is and how you can do it too!

ISSUE 27
True Colour graphics arrive: expensive, yes, but looks great!

ISSUE 28
How the graphics for games like *First Samurai* are made.

ISSUE 31
How you can make a start in games programming!

ONLY
£4
EACH!



Amiga Format back issues with complete...

...full-price games



ISSUE 23

BALANCE OF POWER 1991

An all-time classic strategy game in which you control one of the super-powers aiming to avoid all-out nuclear war!

ISSUE 24

TWO COMPLETE GAMES!



VAXINE
Amazing 3D exploration and shooting game: weirder than weird!

ARCHIPELAGOS

Another 3D classic, with 10,000 levels and a fascinating challenge!

ONLY
£5
EACH!

...creativity packages



ISSUE 29

WORTH £10! OCTAMED V1

One of the best low-cost sample sequencing systems there is, with the ability to use eight tracks in one song!

ISSUE 30

WORTH £170 COMPLETE GRAPHICS AND MUSIC SOFTWARE!



SEQUENCER ONE

Superb entry-level music sequencer: make your own tunes!

GRAPHICS WORKSHOP

A world-beating art and animation package, packed with features. 1Mb only.

ONLY
£5
EACH!

Amiga Power back issues with complete games



ISSUE 1: BOMBUZAL

A marvellously silly puzzle game packed with fun, frolics and large explosions! It's an all-time classic of its kind.

ONLY
£5
EACH!



ISSUE 2: KID GLOVES

This classic platform game has just seen its sequel released, which just goes to show its timelessness!

Let us come and knock on your front door every month...



...or we'll come round your house and have a quiet word with you!

All right, so it won't be us in person! But having the magazine pop through your letter box every month is like having an old friend come to visit. You're saved the hassle of the weary trek to the newsagent, you get the magazine before it officially goes on sale and now, for the first time, you'll also get a unique newsletter sent only to subscribers, revealing the action that went on behind the scenes as the month's issue took shape.

And be warned: the price of subscriptions is about to go up! So take the plunge now...



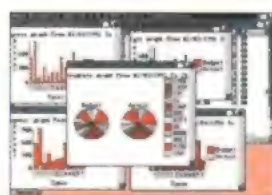
Oh No! More Lemmings
Follow up to the most successful Amiga game of all time adds 100 new levels.



Battle Isles
"A war game that breaks the mould and sets a new standard"
90% Amiga Format Issue 29



James Pond Robocod
"One of the best cutesy platform games ever to appear"
91% Amiga Format Issue 29



Home Accounts
Digita's DIY domestic budgeting system is still one of the most popular programs there is!

Subscribe and get one of these fine examples of software, free and for no money at all!

AMIGA FORMAT

165

APRIL 1992

Amiga Format **Subscription** Order Form

Yes! Please enter/renew my subscription to Amiga Format and send me the software of my choice

(tick as appropriate)

☐ **UK £38.40**

☐ **Europe £67.20**

☐ **Rest of the World £97.45**

☐ **More Lemmings!**

☐ **Battle Isles**

☐ **James Pond 2: Robocod**

☐ **Home Accounts**

Amiga Format back issues, £4 each. Issues 23, 24, 29 and 30, £5 each

(please indicate the issues you require) _____

Amiga Power back issues (tick as appropriate) ☐ **1** ☐ **2** **£5 each**

Name _____

Address _____

Post code _____

Telephone No. _____

Method of payment (please circle) Access • Visa • Cheque • PO

Credit Card No. _____

Total Order _____

Expiry date _____

SEND THIS FORM TO:

**Amiga Format Subscriptions,
Future Publishing Ltd,
Freepost, Somerton,
Somerset, TA11 7BR**

No stamp required

**if posted in the United
Kingdom, Channel Islands or
the Isle of Man**

Please make all cheques payable to
Future Publishing Limited.

This coupon valid until end March 1992 AF/MAG 0392

AMEAGRE PRICES FOR AMIGA USERS

GAME	PRICE
2 Hot 2 Handle (Comp)	20.95
10 Great Games	20.95
3D Construction Kit	33.95
4 Wheel Drive (Comp)	20.95
4D Sports Boxing	17.45
4D Sports Driving	20.95
50 Great Games (Only 30 on +)	17.45
AMOS 3D	23.95
AMOS Compiler	20.95
AMOS The Creator	33.95
Action Master (Comp)	20.95
Action Pack (Comp)	19.95
Advanced Fruit Machine	5.95
Agony	17.45
Air Sea Supremacy (Comp)	20.95
Air-Land-Sea (Comp) (688 NOT+)	23.95
Allen Breed (1Mb)	17.45
Allen Storm	17.45
Altered Destiny	20.95
Amnios	17.45
Another World	17.45
Aquadventura	23.95
Arkanoïd II - Revenge Of Doh	6.95
Armour-Geddon	17.45
Atomino	17.45
Baby Jo	17.45
Barbarian II (Pyggnosis)	17.45
Batman - Caped Crusader	6.95
Batman - The Movie	6.95
Battle Chess	17.45
Battle Chess II (NOT+)	17.45
Battle Isle	20.95
Beastbusters	17.45
Better Maths (12-16)	19.95
Better Spelling (8-Adult)	19.95
Big Run	17.45
Billiards 2 Simulator	17.45
Birds Of Prey (1Mb)	23.95
Blade Warrior	17.45
Blues Brothers (NOT+)	17.45
Board Genius (Comp)	20.95
Bonanza Brothers	17.45
Boston Bomb Club	17.45
Brides Of Dracula	17.45
Bubble Bobble (NOT+)	6.95
Cadaver	17.45
Cadaver - The Payoff	11.95
Capcom Collection	20.95
Cardiacc	17.45
Cardinal Of The Kremlin	17.45
Carrier Command	7.95
Casino	17.45
Castles	20.95
Celtic Legends	20.95
Challengers (Comp)	20.95
Chart Attack - Vol 1 (Comp)	20.95
Chase HQ	6.95
Chase HQ II	17.45
Chips Challenge	17.45
Chuck Rock	17.45
Cusco Heat	17.45
Cruise For A Corpse	19.95
Cybercon III	17.45
D.T. Olympic Challenge	6.95
Darkman	17.45
Das Boot	20.95
Death Knights Of Krynn (1Mb)	20.95
Defender Of The Crown	7.95
Defenders Of The Earth	6.95
Deluxe Paint IV	59.95
Deuteros	20.95
Devious Designs	17.45
Dizzy Collection	17.45
Double Dragon	7.95
Double Dragon II	7.95
Double Dragon III	17.45
Dragon Ninja	6.95
Dungeon Master (1Mb)	17.45
Elit	17.45
Elvira I (1Mb) (NOT+)	20.95
Executioner	17.45
Exile	17.45
Exodus 3010	20.95
Eye Of The Beholder (1Mb)	20.95
F-15 Strike Eagle II (1Mb)	23.95
F-16 Combat Pilot	17.45
F-19 Stealth Fighter	20.95
F-29 Retaliator (NOT+)	17.45
Face Off - Ice Hockey (NOT+)	17.45
Fantasy World Dizzy (NOT+)	6.95
Fast Food (NOT+)	5.95
Final Blow	17.45
Final Fight (NOT+)	17.45
Final Samurai	20.95
Fists Of Fury (NOT+)	17.45
Flight Of The Intruder	23.95
Flood	8.95
Floor 13	23.95
Football Crazy (Comp)	17.45
Football Director 2	17.45
Formula One Grand Prix	23.95
Frenetic	17.45

GAME	PRICE
Full Blast (Comp)	20.95
Full Contact (NOT+)	7.95
Fun School 4 (5-7)	17.45
Fun School 4 (Over 7s)	17.45
Fun School 4 (Under 5s)	17.45
Fuzzball	13.95
G-Loc	17.45
Gateway To Savage Frontier	20.95
Gauntlet II	6.95
Gauntlet III	17.45
Geisha	17.45
German Master	13.95
God Father - Action Game	20.95
Gods	17.45
Golden Axe	17.45
Graeme Souness's Soccer	17.45
Grandstand (Comp)	20.95
Hagar The Horrible	17.45
Halls Of Montezuma	17.45
Hard Nova	17.45
Head Over Heels	6.95
Heimdall (1Mb)	23.95
Henrietta's Book Of Spells	17.45
Heroes Of The Lance	6.95
Heroquest	17.45
Hill Street Blues	17.45
Hitchhikers Guide To The Galaxy	7.95
Hollywood Collection (Comp)	20.95
Home Alone (NOT+)	17.45
Hudson Hawk	17.45
Hunt For Red October	17.45
Hunter	20.95
IK+	6.95
Impossible	6.95
Indiana J. & L. Crusade (Act)	6.95
Indianapolis 500	17.45
Iron Lord	7.95
Ivanhoe	6.95
Jack Nicklaus Uni. Golf (1Mb)	20.95
James Bond Collection	17.45
Jimmy White's Snooker	20.95
Jupiter's Masterdrive	6.95
Kick Off II	13.95
Kick Off II (1Mb)	17.45
Kick Off II (Ret. To Europe)	6.95
Knightmare	20.95
Knights Of The Sky (1Mb)	23.95
Kwik Snax	6.95
Last Ninja II	6.95
Last Ninja III	17.45
Leander	17.45
Leather Goddess Of Phobos	7.95
Lemmings	17.45
Lemmings Levels (Data Disk)	13.95
Lemmings Levels (Stand Alone)	17.45
Life And Death	17.45
Little Puff	6.95
Lombard RAC Rally	6.95
Lord Of The Rings	17.45
Lotus Turbo Challenge II	17.45
M1 Tank Platoon	20.95
MAX (Comp)	20.95
Maddog Williams	20.95
Magic Garden	17.45
Magic Maths (4-8)	19.95
Magic Pockets	17.45
Magic Storybook (1Mb)	20.95
Magnetic Scrolls Collection	20.95
Manchester United Europe	17.45
Maths Mania (8-12)	19.95
Mavis Beacon Teaches Typing	20.95
Mega Maths	19.95
Mega Twins	17.45
Mega-Lo-Mania	20.95
Megatraveller I (1Mb)	20.95
Mercenary 3	20.95
Mercs	17.45
Micro English	18.95
Microprose Golf (1Mb)	23.95
Midwinter II (1Mb)	23.95
Mig 29M Super Fulcrum (NOT+)	26.95
Moonbase (1Mb)	23.95
Moonstone	20.95
Moonwalker (NOT+)	6.95
Movie Premier Collection	20.95
Mystical	7.95
Myth	17.45
Nebulus 2	17.45
New Zealand Story	6.95
Ninja Collection	13.95
Ninja Remix	17.45
Ninja Warriors	7.95
Nitro	6.95
North & South	6.95
Operation Wolf (NOT+)	6.95
Ork	17.45
Outrun Europa (NOT+)	17.45
PGA Tour Golf	17.45
Paperboy 2	17.45
Pegasus	17.45
Pirates	17.45
Pit Fighter	17.45

GAME	PRICE
Platinum (Comp)	17.45
Populous 2 (1Mb)	20.95
Power Pack (Comp)	17.45
Power Up (Comp)	20.95
Powermonger	20.95
Powermonger Data Disk (WW1)	11.95
Prince Of Persia (NOT+)	17.45
Pro Tennis	4.49
Pro Tennis Tour 2	17.45
Proflight	29.45
Quest & Glory (Comp)	20.95
Quest For Adventure (Comp)	23.95
Quest For Glory	26.95
R-Type II (NOT+)	17.45
R.B.I. Baseball 2 (NOT+)	20.95
Race Drivin	17.45
Railroad Tycoon (1Mb)	23.95
Rainbow Collection (NOT+)	13.95
Realms	20.95
Rick Dangerous II	17.45
Rise Of The Dragon	26.95
Risk	13.95
Robin Hood	17.45
Robocod	17.45
Robocop III	17.45
Rocket Ranger	7.95
Rod-Land	17.45
Rolling Ronny	17.45
Rotox	7.95
Rugby - The World Cup	17.45
SWIV (NOT+)	17.45
Sarakon	13.95
Scoby-Doo & Scrabby-Doo	6.95
Scrabble Deluxe	13.95
Secret Of Monkey	17.45
Island (1Mb NOT+)	20.95
Secret Of The Silver Blades	7.95
Shadow Of The Beast	17.45
Shadow Of The Beast II	19.95
Shadow Sorcerer (NOT+)	6.95
Sherman M4	7.95
Shinobi	6.95
Shufflepuck Cafe	23.95
Silent Service II (1Mb)	7.95
Silkworm	20.95
Sim City/Populous	20.95
Sim Earth	17.45
Simpsons	6.95
Sir Fred	17.45
Smash TV	17.45
Soccer Manager - Multi Player	17.45
Soccer Stars (Comp)	20.95
Space 1889	23.95
Space Ace II	17.45
Speedball II	20.95
Spirit Of Excalibur	13.95
Spot	17.45
Star Collection	7.95
Starglider II	6.95
Steve Davis Snooker	17.45
Stratego	20.95
Super Sega (Comp)	19.95
Super Sim Pack (Comp)	17.45
Super Space Invaders (NOT+)	17.45
Supercars II	20.95
Superheroes (Comp)	20.95
Supremacy	17.45
Suspicious Cargo	17.45
Switchblade II	17.45
Terminator II	20.95
Test Drive II Collection	20.95
Thunderhawk	17.45
Thunderjaws	6.95
Tin Tin On The Moon	17.45
Tip Off	17.45
Toki (NOT+)	17.45
Top Banana	20.95
Top League (Comp)	4.49
Treasure Island Dizzy	17.45
Turbo Charge	17.45
Turrican II	20.95
U.M.S. II	20.95
Ultima V	20.95
Ultima VI	17.45
Under Pressure	20.95
Utopia	17.45
Video Kid	23.95
Virtual Reality I (Comp)	13.95
Virtual Worlds (Comp)	13.95
Viz	7.95
Warzone	20.95
Waterloo	20.95
Wheels Of Fire (Comp)	17.45
Wings (1Mb)	20.95
Wolfchild	20.95
Wonderland (1Mb)	83.95
Wordworth V1.1	6.95
World Class Leaderboard	17.45
World Class Rugby	17.45
Wrestlemania - WWF	6.95
X-Out	6.95
Xybots	13.95
Z-Out	13.95

3 1/2"
Double Sided
Double Density

QUANTITY	PRICE
10	£4.75
20	£9.25
25	£11.30
30	£13.25
35	£15.10
40	£16.90
45	£18.80
50	£20.50
80	£32.45
100	£36.90
120	£43.70
150	£53.85
200	£68.95
300	£103.45
400	£135.95
500	£167.50

WITH LABELS & WARRANTY

BOXES (with keys & dividers)

10 Slimpack	0.94
40 capacity	£4.95
50 capacity	£5.60
100 capacity	£6.80
120 capacity	£8.75
150 Deluxe stackable	£21.95

JOYSTICKS

Python 1 (QS130F)	£9.25
Maverick 1 (QS128F)	£13.75
125+	£9.00
The Bug	£13.50
Star Probe	£13.50
Competition Pro 5000 - black	£13.75
Speedking A/F	£11.00
Navigator A/F	£13.75
Topstar (SV127)	£21.50
Supercharger (SV123)	£9.00
Sting-Ray A/F	£12.50
Megastar A/F (SV133)	£22.00

MISCELLANEOUS

Cartoon Classics Pack	£359.95
Philips CM8833II monitor	£246.75
Deluxe Work Centre	£46.95
Cumana Disk Drive	£57.95
.5Mb Upgrade + clock	£29.95
.5Mb Upgrade	£26.95
1Mb Upgrade (500+)	£56.95
Mouse	£14.75
Mouse Mat	£2.95

SPECIAL OFFER
Cartoon Classics + monitor
£589.25

All Prices include UK postage and VAT and are effective until March 20th 1992
New titles will be sent as they are released and are subject to manufacturers price reviews

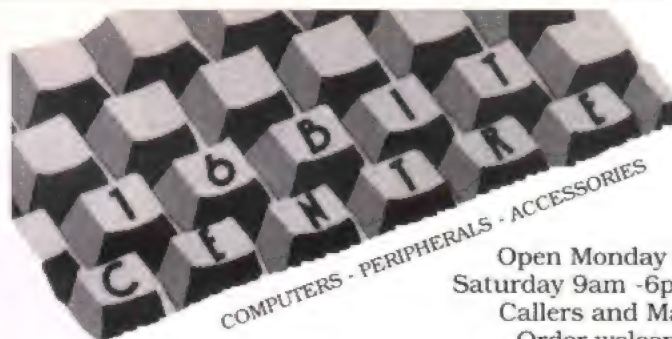
Credit Card orders:
(10.00am - 10.00pm, 7 days not an answer phone)

071- 608 - 0624

Cheques/Postal Orders to
DataGem Ltd, Dept AF, 23 Pitfield Street, London, N1 6HB
Showroom open Monday - Friday 10am - 6pm Exit 2, Old Street Tube

**COMMODORE
1084S STEREO
MONITOR**
Including FREE lead
ONLY £219.00

**PHILIPS 8833 MK II
STEREO MONITOR**
Including Free Lead
ONLY £219.00



COMPUTERS - PERIPHERALS - ACCESSORIES

Open Monday to
Saturday 9am -6pm
Callers and Mail
Order welcome
Easy parking

KCS POWERBOARD
PC Emulator
For Amiga A500
ONLY £179.00

AT ONCE AMIGA
PC 286 AT EMULATOR
FOR THE A500
ONLY £159.00

HARD DRIVES

**GVP SERIES II
1500/2000**
52Mb Quantum
Space for 8Mb RAM
£265.00

**GVP SERIES II
1500/2000**
105Mb Quantum
Space for 8Mb RAM
£399.00

**GVP SERIES II
A500**
52Mb Quantum
Space for 8Mb RAM
£359.00

**GVP SERIES II
A500**
105Mb Quantum
Space for 8Mb RAM
£485.00

SUPRA 500XP
52Mb Quantum
Space for 8Mb RAM
with 1Mb free
£319.00

SUPRA 500XP
105Mb Quantum
Space for 8Mb RAM
with 1Mb free
£459.00

AMIGA A500 FUN PACK

Amiga A500 Plus, Mouse, Modulator, Manuals, Workbench, Joystick, Disk Box, 10 Disks, Dust Cover, Dpaint III, 1Mb RAM, PLUS 13 GAMES Lemmings, Simpsons, Captain Planet, Safari Guns, Bubble Ghost, Tin Tin, Purple Saturn Day, Jumping Jackson, Hostages, Bobo, Krypton Egg, Shuffle Puck Cafe,

ONLY £399.00 inc VAT

A500 CARTOON CLASSICSOnly £319.00

SOFTWARE

DELUXE PAINT III.....	£17.00	PIXEL 3D V2.....	£79.00
AMOS + EXTRAS DISK.....	£32.00	QUARTERBACK.....	£33.00
BROADCAST TITLER II.....	£149.00	PRO-WRITE V3.2.....	£69.00
TV SHOW.....	£35.00	X CAD 3D.....	£269.00
DIGIVIEW GOLD.....	£87.00	PHOTON PAINT 2.....	£25.00
LATTICE C V5.10.....	£149.00	FINAL COPY (NEW).....	£39.00
PAGESSETTER V2.....	£42.00	VIDEO EFFECTS 3D.....	£109.00
PAGESTREAM V2.1.....	£117.00	DRAW 4D PRO.....	£109.00
PAGESTREAM FONTS.....	£49.00	O/BACK TOOLS.....	£49.00
TV TEXT PRO.....	£79.00	WORDWORTH.....	£75.00
CROSS-DOS V4, Multi-format file transfer.....	£19.00		
HITACHI VIDEO CAMERA, Ideal for use with DigiView.....	£199.00		
PEN PAL, Excellent easy to use Word Processor.....	£53.00		
IMAGINE 3D Animations & ray tracing.....	£139.00		
ART DEPARTMENT PROFESSIONAL V2.05.....	£119.00		
ALL IN ONE, Word Pro, Midi Music, Paint, 3 games c/w video.....	£115.00		
VIDEO EASE, Video titling package.....	£35.00		
BARS + PIPES PROFESSIONAL.....	£189.00		
AMOS COMPILER, Compile your Amos programs.....	£23.00		
THE WORKS PLATINUM, Integrated package.....	£45.00		
SUPERJAM Jamming Software.....	£85.00		
DOS 2 DOS Multi format file transfer software.....	£28.00		
WALT DISNEY ANIMATION STUDIO.....	£65.00		
REAL 3D BEGINNERS.....	£99.00		
REAL 3D TURBO/PROFESSIONAL.....	£269.00		
PROFESSIONAL PAGE 2.1 (new) with tutorial video.....	£125.00		

AMIGA A1500

The A1500 inc. Philips or CBM 1084s monitor, Twin drives, Dpaint3, The Works Platinum, Home Accounts, 3 Games + Joystick **ONLY £759.00**
AMIGA A500 part exchange available - please phone

ACCELERATORS

Microbotics Accelerator VXL-30, 25MHz.....	£222.00
Microbotics Accelerator VXL-30, 40MHz.....	£351.00
68882 Floating Point Co-processor for VXL-30.....	£132.00
GVP 68030 22MHZ WITH 1 MEG RAM.....	£519.00

HOW TO ORDER:
Either call our number
below with your credit
card details, or send a
cheque/PO or credit
card details to our
address.
Cheques made
payable to:
THE 16 BIT CENTRE
Prices subject to change without
notification.

All prices include VAT + Courier Service

16 BIT CENTRE

Units 15-17,

Lancashire Fittings Science Village

Claro Road, Harrogate HG1 4AF

Tel (0423) 531822/526322

**EXTENDED WARRANTY
AND MAINTENANCE
CONTRACTS AVAILABLE
ON ALL ITEMS. PLEASE
CALL FOR FURTHER
DETAILS**



AMIGA A500 MAX PACK

Amiga A500, Mouse, Modulator, Manuals, Workbench, Joystick, Disk Box, 10 Disks, Dust Cover, Dpaint III, 1Mb RAM PLUS 20 GAMES Safari Guns, Bubble Ghost, Tin Tin, Purple Saturn Day, Jumping Jackson, Hostages, Bobo, Krypton Egg, Zenon 2, Super Ski, Shuffle Puck Cafe, Not all games are listed.

ONLY £369.00 inc VAT

Please phone for other Amiga Packs

HARDWARE

ROM V2.04 AND ECS DENISE NOW IN STOCK.....	P.O.A.
FRAMEGRABBER PAL real time colour frame grabber.....	£450.00
AUDIO ENGINEER 2 PLUS sampling hardware & software.....	£174.00
SOPHUS S5 Stereo sound sampling hardware/software.....	£49.00
AMIGA COMPATIBLE DISK DRIVE on/off & through port.....	£57.50
NAKSHA CLONE MOUSE high quality replacement mouse.....	£19.50
SOUND MASTER Stereo sound sampling hardware/software.....	£105.00
NAKSHA SCANNER Excellent scanning quality.....	£105.00
TV TUNER for Philips and Commodore monitors.....	£79.00

PRINTERS

STAR LC-24/200 COLOUR inc. free lead.....	£269.00
STAR LC200 9 pin colour inc. free lead.....	£185.00
STAR LASER 4 high quality laser printer inc. free lead.....	£679.00
CITIZEN SWIFT 24E 24 pin colour printer inc free lead.....	£269.00
CITIZEN 224 COLOUR 24 pin colour printer inc free lead.....	£239.00
CITIZEN SWIFT 9 COLOUR 9 pin colour printer inc free lead.....	£189.00
CANON BJ10 E/EX bubble jet printer inc free lead.....	£229.00
STARJET bubble jet printer inc free lead.....	£225.00
HP DESKJET 500 inkjet inc free lead.....	£349.00
CITIZEN 224 MONO 24 pin mono printer inc free lead.....	£209.00

MEMORY

SUPRA RX500, 8Mb board for A500 inc 1Mb.....	£95.00
SUPRA RX500, 8Mb board for A500 inc 2Mb.....	£119.00
SUPRA RX500, 8Mb board for A500 inc 4Mb.....	£209.00
SUPRA RX500, 8Mb board for A500 inc 8Mb.....	£309.00
MICROBOTICS 8Mb Ram Board for A1500/B2000 with 2 Mb.....	£155.00
EXTRA 2 Mb OF RAM FOR MICROBOTICS.....	£75.00
A500 512K RAM WITH CLOCK AND SWITCH.....	£29.00
A500 PLUS 1MB RAM UPGRADE.....	£39.00
ROM 1.3/2.0 Sharer.....	£17.00

MODEMS & FAX

Baud Bandit 2400 Modem, V21, V22Bis & MNP 5.....	£139.00
Supra 2400 Plus, MNP5 & V42 Bis (speeds up to 9600).....	£165.00
Supra 9600 Modem. Speeds up to 38000.....	£399.00
Supra 2400 Plus Internal Modem for A1500/B2000.....	£159.00



**QUALITY
AMIGA
PUBLIC DOMAIN**
THE BEST JUST GOT BETTER...

please note we do not
stock pornographic
material of any kind
no matter how tame it
might be we do not
stock it, so please
ignore any old listings
and cat disks.
If you do try to order
such disks, you will
not receive them.
It is an offence to supply such
material.

£1
DISK

ORDER YOUR 3 CAT DISKS NOW
ONLY £2.00 FOR 17 BIT, AMOS, AND FISH CAT DISKS!!

17-BIT NOW STOCK FISH DISKS TO 590

TBAG TO 59

DEJA-VU TO 69

ALWAYS FIRST WITH THE BEST PD
AND PROBABLY THE CHEAPEST ESTABLISHED LIBRARY
IN THE LAND. TRY THE COWBOYS THEN COME TO US

**17-BIT SOFTWARE HAVE
MOVED OFFICES, YET AGAIN.
WE ARE NOW AT
1ST FLOOR OFFICES
2/8 MARKET ST
WAKEFIELD
WF1 1DH
EXPANSION WAS INEVITABLE
DUE TO THE SIZE OF OUR
OPERATION.
WILL YOU PLEASE USE
THE ABOVE ADDRESS IN
ALL CORRESPONDENCE
FROM NOW ON, THANK YOU!**

LATEST PD....

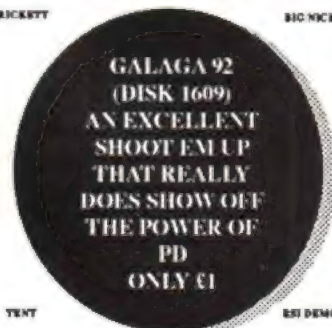
1641 DEKSID, V CHECKER 5.40
1640 HYPertext
1639 GAMES GALORE 10
1638 MUTANT CAMELS (GAME)
1637A BUZZED BY E SCHWARTZ
1637B SPREAD OVER 3 DISKS
1637C AND 2 MEG ONLY....
1636A LANDING ANIM ON
1636B 4 DISKS, AND
1636C 4 MEG ONLY, VERY
1636D IMPRESSIVE.
1635 CRYSTAL+SILENTS DEMO
1634 COLORS MEGA DEMO
1633 GATOR GRAPHICS TUTOR
1632 PROTRACKER 1.1B
1631 ACTION MUSIC DISK
1630 CRUSADERS MUSIC
1629 VEGA MUSIC DISK 2
1628 A ZENITH JUST FOR
1628 B YOUR EARS MUSIC
1627 CULT PUBLIC ATTACK
1626 ADDICTS SILICON
DREAMS
1625 OUTLAW MUSIC
1624 JAMES BROWN IS DEAD
1623 CYBERSOUNDS
1622 TRACKERS
POWER+AGONY
1621 A HYPNOSIS SOUND BOX
1621 B ON 2 DISKS
1620 PRODIGY REMIX (+ ONLY)
1619 A SCENERY ANIMS
1619 B FRACTALY GENERATED
1618 VIRUS KILLERS
1617 TWILIGHT ZONE REMIX
1616 ROOBARB+CUSTARD
REMIX
1615 JAMES BROWN IS DEAD 2
1614 SAMPLE MAKER V1.0
1613 PROCALC V1.0

FISH DISKS

F440 3D PLOT
F366 TIC TAC TOE
F359 A BRIDGE
F517 AMIBANK
F120 INVADERS
F495 ANALYTICALC
F301 AQUARIUM
F208 ASTEROID FIELD
F94 AUDIO TOOLS
F120 BACKGAMMON
F537 BOOT GAMES
F361 BRUSH 4D
F375 CARD MAKER
F205 CHESS (GAME)
F269 CHESS TUTOR
F526 DATA EASY
F511 DIR WORK
F514 DKBTRAC
F391 FRACTAL LAB
F371 FRACTALS
F187 HACKLITE
F148 HANDY ICONS
F422 IMPLODER
F383 MANDEL MOUNTAINS
F402 PCOPY

TRICKYST

BIG NICKS



TEXT

EST DEMO

DEJA VU(3.50)

LPD69-MAGICAL
LPD68-VIRUS B 2.1
LPD67-CYAD 2
LPD66-HOTEL MAN
LPD65-P PLANNER
LPD64-RESCUE 2
LPD63-W W W
LPD62-GAME
LPD61-F CHAPTER2
LPD60-TECHNO SN
LPD59-FUN PACK
LPD58-LOCKS KEY
LPD57-KIDS C ART
LPD56-L TEXT V3.2
LPD55-SPRITEX 1.3
LPD44-FORMULA 1
LPD43-LAZERZONE

Alcatraz Odyssey
a five disk demo that
puts Alcatraz at the top of the
tree...(not + compatible)
Only £4.00 for this
Astonishing 1 Meg only
journey of a life time....
Not to be missed.

IF YOU HAVE JUST BOUGHT A NEW
AMIGA + MACHINE PLEASE
TELEPHONE BEFORE YOU ORDER
TO CHECK COMPATIBILITY.
THANK YOU.....
AGONY ANGIE AT YOUR SERVICE

MED 3.20 (DISK 1572)
THE VERY BEST MUSIC
SEQUENCER AROUND
THIS IS THE VERY LATEST
VERSION, NOW EVEN MORE
REFINED.....(ALSO CHECK
OUT AMFM).

RADBENCH 1.4 (DISK 1585)
IS A RECOVERABLE WB
THAT STAYS IN RAM
ONCE INSTALLED UNTIL
YOU POWER YOUR MACHINE
OFF ONLY £1
(SORRY BUT THIS PROGRAM
IS NOT PLUS COMPATIBLE)

ORDERING DISKS
ALL MAJOR CREDIT CARDS ARE
TAKEN, OPENING TIME ARE
MON - THURS 9am - 8pm
FRI - SAT 9am - 5.30pm
PLEASE MAKE CHEQUES AND
POSTAL ORDERS PAYABLE TO
17 BIT SOFTWARE
OUR ADDRESS IS
1ST FLOOR OFFICES 2/8 MARKET ST
WAKEFIELD WF1 1DH (DEPT AF)
TELEPHONE - (0924) 366982
We welcome foreign orders
(Add 20%)

WHY 17-BIT DISK MAGAZINE ??????

1--Always crammed full of the latest PD news and up to the minute programs
2--Fully + compatible, with an emphasis on pleasing new and seasoned users
3--It's only £1.50 an issue, we urge you to try it and feel sure you will be amazed
at the value and enjoyment factor.
The current Issue is 24, with 2 years back issues still available at £1.00 each.
17-Bit bring you the very best in PD at right price with a service to match.
Can there really be any doubt that we are

THAT BIT BETTER THAN THE REST!

**WATCH THIS SPACE SOMETHING
VERY SPECIAL IS ABOUT TO HAPPEN????
MORE NEWS NEXT ADVERTISEMENT.**

If you want a PD disk not shown, we probably have it anyway, if not we will obtain it for you in a few days....

PLEASE HELP US TO HELP YOU, PLEASE QUOTE YOUR MEMBER NUMBER, (IF YOU HAVE ONE) ...

we also stock T-BAG TO 59
And FISH TO 590.....

**VIRUS BUSTER 2.1
(DEJA-VU 68)
IS THE VERY BEST
VIRUS KILLER AROUND
ONLY £3.50
THE PROGRAM CHECKS
FILES, BOOT BLOCKS,
HARD DRIVES, AND
COMES WITH FULL
DOCUMENTATION
ON DISK.**

DONT GET CAUGHT OUT BY VIRUS!!!!

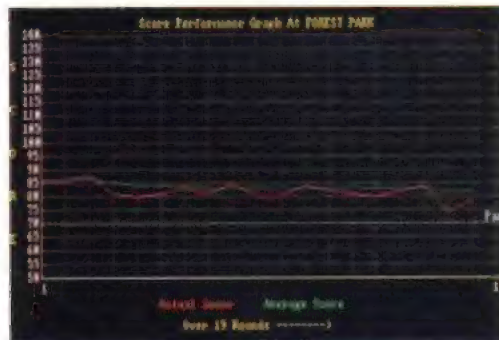
UPDATE 24, OUT NOW
CATCH YOURS FOR £1.50

Eric Schwartz is back
At the movies 2
is a 4 disk Anim that runs
on 1 meg, 2 meg, and 3 meg
Amiga's!!!!
Dont miss this superb
piece of Schwartz magic.
Only £3.00 for 4 disks
"Breath taking" says Ken

17 BIT PD - £1.00
SCHEME 17 - £1.50
DEJA VU - £3.50
* DENOTES NOT + COMPATIBLE

GOLF SCORES V1.82

NBS U298



It's much easier to see how you are doing from a chart, rather than a list of numbers. *Golf Scores* just got better!

Anyone out there actually using this program to keep track of your golfing statistics? There must be, because the programmer has now added a couple of features demanded by the users of his program.

Avid golf fans need to record the scores of a round of a golf, to analyse the performance on a given course, and to see which type of holes need the most practice. Using this sort of program can help to reveal your weaknesses, which with hard work can be built into strengths instead.

The couple of enhancements are that you can print out statistics (best round, average score and handicap) and you can also get some rather nice graphs and charts to show this information graphically too. The program is made more attractive as a result. The bad news is that you can't load your old files into this new version – it simply won't work.

TOTAL WAR

NBS G253



Total War looks exactly the same as *Risk* – the good news is that it plays the same too!

This is one of those great games. The board-game version (*Risk*) will be familiar to many readers, but the basic idea is this. The playing area is the world, about the time of the Napoleonic Wars. Up to six people can play at once. The game starts with the planet being randomly partitioned, with armies of the occupying player being put on them.

The object of the game is to either conquer a certain number of countries (playing for missions) or the whole world. You get a certain number of reinforcements each turn (more if you own a whole continent or two). You can gain extra armies by playing cards – when you conquer one country, you get a card. Trade in three cards for more armies – the number you get depends on the combination.

This version is a straight port over of the board-game, and the computer will play if less than six

people are around. It's quite easy to work out how to play (the mouse is used almost exclusively). Winning is more elusive – you can be on top of the world one minute, only to be vanquished the next.

The game was written with AMOS, by Paulo Laureano. Graphics by Waddingtons (competently copied by Francisco Cordeiro). If you liked the board-game, you will love this – I do! By far the best PD version of *Risk* to date.

TBAG 63

AMIGANUTS

The Tampa Bay Amiga Group manages to keep rolling out the compilation disks, but this one has an especially useful set of programs. The most significant of these is the latest update of *NewZap*, a file editor beloved of experienced Amiga users the world over. This version has been considerably tarted up, but remains much the same in use. Dallas J Hodgson has been hard at work.

NewZap can edit any files, whether they contain binary, text, anything at all. You can view the files by

Ascii (text), hexadecimal or decimal numbers, and edit them. This is a fiddly and indepth procedure, but with experience you can alter files to work better with your system. *NewZap 3.3* cannot, however, make files any bigger than they really are.

ADAM could well be of use to CDTV users and animators. The *Automated DCTV Animation Maker* can import sets of 24 bit 'True Colour' pictures from *Imagine*, *Animation Journeyman*, *Lightwave* (the rendering program on Newtek's Video Toaster card) or *VistaPro*, then convert them and join them into one DCTV animation file. I am not altogether sure whether it works on PAL sized images, but I believe it does. Needless to say, but you'll need quite a bit of memory to run this program.

BootX V3.72 (Peter Steur) has been mentioned on these pages before, but it's such a useful program for all Amiga owners that I had better repeat myself. *BootX* can record custom boot blocks (usually found on games and Public Domain disks, but occasionally on serious software too) and store sets of them onto

Continued on Page 172

OBLITERATION / MAD BOMBER II

NBS L509

Take *Turrican*, throw in a bit of *Oops Up*, and what have you got? *Obliteration*, that's what. You control a mad test pilot who can run, jump and blast things in eight different directions. The plot is that you're testing out an asteroid simulator.

What it comes down to is; you shoot the asteroids on each level, which spawn smaller asteroids, which you shoot, which spawns smaller asteroids, which you shoot, and the level is completed. Yep, sure is a lot of shooting to be done.

Obliteration is the best blast-em-up I've seen – it's not strictly speaking PD, but Licenseware, which means you can only buy it from NBS, Blitterchips, Vally PD or Start. Although it's only got 20 levels, I think that with more, and more things to shoot, it could have been a decent commercial release.

Bundled on the disk is another game, called *Mad Bomber II*. You don't shoot anything in this – a Mad Bomber moves along the top of the screen, dropping bombs everywhere. You have to collect the bombs in a small barrel, which you move with the joystick. Miss one bomb and you're history. Not as fun as *Obliteration*, but much tougher.



Dancing around in a hail of bullets is just fantastic! *Obliteration* is furiously fast and very satisfying, but not as friendly as dear old *Pang*.



Bomb disposal expert has never been high in my employment list, and after playing this game you'll probably think the same.

PENTIRE PD

10a Hag Hill Lane, Taplow, Maidenhead, Berks, SL6 0JH
(0628) 666641

99p per disk. 5 or more 85p each. P&P 90p per order
European add 25p per disk. Worldwide add 50p per disk.

THE TOP 50 PD CHART AS COMPILED BY PENTIRE PD: Our best selling titles

1. Madonna Nude (x)	26. RSI Demo Maker
2. Madonna Slides III (3)	27. Tetra Copy
3. Iraq Demo	28. Maria Whittaker (x) (2)
4. Drip	29. Uedit
5. Madonna Puzzle	30. Total Recall Demo
6. Flashbier	31. Learn And Play (2)
7. Megaball	32. Quick Copy
8. Startrek (Richter) (2)	33. Games Music Creator
9. Jazzbench	34. Visicalc
10. CLI Tutorial	35. Spectrapaint
11. RIM	36. Dome Intro Maker
12. Text Plus	37. Messysid
13. Crionics Total Destruction	38. Ghostwriter
14. Stealth Bomber Anim	39. RSI Vector Editor
15. Frantic Freddie	40. Slide Show Const. Kit
16. Pipeline	41. 100 Utilities Disk
17. Pom Pom Gunner	42. Clip Art (4)
18. Icon Mania	43. Text Engine
19. Quick Bench	44. Playboy Slideshow (x)
20. C64 Emulator (2)	45. Talking Colouring Book
21. Menu Maker	46. 7 Tiles
22. Zeuz	47. Darkstar Utilities Vol 2
23. Sound Tracker Utilities	48. RSI Font Editor
24. Madonna Rescue Me	49. ESA Utilities
25. Flexibase	50. Spectrum Emulator

ADULT PACK 1, 2 + 3
Available at £4.25 each
(5 disks packs) state over 18

We also stock Fred Fish and T-Bag collections.

Catalogue Disk 75p
Constantly updated

Blank Disks
£4.99 for 10 inc. labels

FOOTBALL TACTICIAN

Until now, football simulations came in two categories: arcade and management. Few, if any, ever bothered with the all-important STRATEGY which a successful manager is to master, both before a match when deciding on squad selection, and during the match when high-drama, real-time decisions must be made on tactics, substitutions, set pieces and player deployment. But now, for the first time on any major computer, there is a superlative management game that encompasses all forms of soccer strategy: it is called FOOTBALL TACTICIAN. Team selection, needless to say, remains a critical element in any successful campaign: and here you will be aided with a wealth of player data, never seen in any soccer program before. Gone are the days when a player was given a single skill level. Each player is now analysed in up to 20 different aspects, enabling you to select the side best suited for the match in hand. And then you come to the BIG innovation of FOOTBALL TACTICIAN: full on-line, real-time involvement during the match! For the first time ever, you will, as a manager, be able to alter your strategy: choose a defensive or offensive system, mark certain opponents, drop back some of your players if the pressure is tough, decide exactly when substitutions should be made, play the off-side trap, go for quick counters, etc... With full on-screen commentary and minute-by-minute feed-back, you're as involved in the match as any of your players! When you further consider that this game is written in 100% machine code (unlike scores of other slow-motion offerings which are written in basic), that up to twenty two users can play this game at the same time, that accurate records are kept on all 440 players in the first division, right down to their exact market valuation, that a built-in editor allows you to change any player's or manager's name, you will realise that this is no ordinary soccer manager. THIS is the REAL THING. You're in charge. You manage your side before and during the match. Nothing is left to chance. Can you rise to the challenge? Try **FOOTBALL TACTICIAN** and prepare yourself for the ultimate football experience.

Amongst the many features: intelligent computer behaviour, lively transfer market, ability to replay ANY match of the week with full commentary, ability to retrieve any fixture from the last 21 seasons, top scorers chart, friendlies, speed control, twenty player squads, selectable positions, and many, many more!



FREE UPDATES OFFER! Because Talking Birds are committed to providing the most up-to-date football manager ever, purchasers of FOOTBALL TACTICIAN will receive free update disks for a whole year! As players are transferred, injured or revalued, as managers are sacked and teams promoted or relegated, it is essential that up-to-date data disks should be made available to the serious user. Beyond the first year period, this service will be available as an optional extra.

AMIGA and ATARI ST/STE Double-sided disk.

Please rush 1 copy of **FOOTBALL TACTICIAN**

I own an AMIGA ☐

on ATARI ST/STE ☐

Name

Address

I enclose cheque for £19.95 ☐

My Visa number is

Visa or Access orders: same-day delivery Overseas please add £1 p&p

TALKING BIRDS 0702 523607

5 Minster Close Rayleigh Essex SS6 8SF



AMIGANUTS UNITED

169 DALE VALLEY ROAD, HOLLYBROOK, SOUTHAMPTON, SO1 6QX.
WORLDWIDE DISTRIBUTORS OF THE DEDICATED AMIGA CODERS CLUB DISKS. EUROPEAN DISTRIBUTOR FOR THE T.BAG DISKS.
Numbers 1 to 63 NOW AVAILABLE.



ALL ARE V2 COMPATIBLE - V2 COMPATIBLE PROGS ALSO DENOTED IN OUR CATALOGUE. MAIL ORDER ONLY - IF MAKING AN ENQUIRY, PLEASE ENCLOSE S.A.E.

INTO MUSIC? Then the eight channel Midi compatible OctaMed V2 is for you! Contains full notation with notation editor (staves), print facility plus 16 track display for Midi users. It also has its own built in sampler. All this for £20.00 (note that you do not need a Midi keyboard to use this excellent music program).

THE OCTAMED MANUAL IS HERE!!!

Not just a copy of the instructions already on your disk but a complete authorised re-write which will show you what an excellent utility it is. Parts also cover the earlier Public Domain med program as well.

Send for your copy now! **ONLY £9.95**

ALL ORDERS FOR THE MANUAL WILL INCLUDE A FREE AMIGANUTS CATALOGUE DISK

ARE YOU INTO CODING? - NEW TO COMPUTING? - The Amiga Coders Club is for you! If you want to learn how to assemble that strange looking code, you need us. Amiga Coders Club are now being sold worldwide, so why not find out why they are so popular for yourself? Each issue contains loads of source ready to assemble and is also packed with help, tips, contacts, letters plus advice. ACC is published monthly and is available for the low price of £4.00 per issue. Our special introductory compressed ACC Disk 1 to 4 IS **ONLY £2.00**, so order your copy now!

Postage for all EC countries, (including U.K.), Add 50p - non EEC £1.50. Orders from overseas customers must be by bank draft, postal or Eurocheque. (sorry but we do not accept credit card orders as these would push up prices). The new 1992 catalogue is available now! £1.50 (don't forget to add postage).

SUBSCRIBE SUBSCRIBE SUBSCRIBE SUBSCRIBE!!!

Subscribe to ACC for the year, (12 issues), and get your 12th issue free!!! If you live in a European country then send £44.00 plus £5.50 for postage. If you live outside Europe, then you must send £44.00 plus £10.89 for Postage.

We will send you each issue as soon as it's ready, (applies to issue 14 onwards)

Please note that issues released prior to ACC 14 must be purchased separately.



CU, TICK & POST

CREDIT CARD Hotline (0702) 466933

PD Soft (AF33) 1 Bryant Ave, Southend-on-Sea, ESSEX, SS1 2YD

VARIOUS UTILITIES

- V016 FISH TANK SIMULATOR** A program that simulates an aquarium, visually pleasing.
- V013 PLAY & READ (2)** A collection of education programs for the under 1 year olds.
- V028 SPELLCHECKER** Current guaranty contains over 3,000 words. You can add more words as you go along.
- V029 HOUSE HOLD INVENTORY** Means of maintaining all your house hold possessions.
- V041 DPAINT ART** Contains loads of pictures for you to mess around with. Loads into your Dpaint.
- V048 TV & VIDEO GRAPHICS (8)** Packed with background screens for your video productions. Different types of graphic styles. Pool takes an IFF picture and peels it down the screen, & more.
- V085 - RED SECTOR DEMO CREATOR:** The Main program used to create demos. Required if you wish to run any of the programs under. Excellent program.
- V086 VIDEO PRODUCTION (2)** Both disks are packed with video & graphics utilities.
- V109 PRINT STUDIO** Excellent for printing pictures or text. An excellent program for all printer owners.
- V191 MASTER VIRUS KILLER** Virus Checker & Killer. With excellent options, includes search risk.
- V193 THE EMULATORS** Covers Various (2) Formats which includes CP/M, IBM-PC & ST IBM & ST Programs requires two disk drives.
- V194 M.R.BACKUP** An excellent Hard disk back up program. Backs up all or any part of the drive.
- V195 GRAPHIC CHANGE** Exchange graphics between Amiga 500 Graphics to the Amiga.
- V215 DISKMASTER V3.2** Copies files from one disk to another. DISKSALV Corrects & repairs.
- V261 TEXTPLUS VERSION 3.0** This disk is not just an update but completely new Word processor.
- V262 DUPLICATION & BACKUP:** Super Duper Turbo copy, Sanity copy & P-Copy. Four new copies to backup your programs for safe keeping.
- V277 FORTMAN - 77 V1** C++ Compiler, linker & run time support library. £470.
- V279 CROSSWORD CREATOR** A program that creates crosswords. UPDATED VERSION.
- V284 MCAD PROGRAM** The Oldest Drawing Program for the Amiga to CAD.
- V285 EDUCATIONAL TYPING TUTOR** A simple tutor which measures speed.
- V291 POSTSCRIPT INTERPRETER V1.5** An excellent Post script interpreter for the Amiga.
- V298 NORTH C V1.3** (2) Uniquely Version of the best & programming program.
- V301 EYE OF THE BEHOLDER HINT BOOK** Inc. Introduction, Background, Maps, Strategy & Solution.
- V304 CHAOS STRIKES BACK HINT BOOK** Inc. Introduction, Background, Maps, Strategy & Solution.
- V306 A-GENE V3.125** Latest version of the family tree program, reviewed in CU Amiga.
- V307 VIDEO TAPE DATABASE PROGRAM:** Catalogue all your video tapes on a database.
- V311 JACK NICKIUS COURSE DISKS (5)** Various New courses for the Golf Game.
- V323 ANALYTICAL SPREAD SHEET (2)** At last a new version that works. Excellent disk.
- V327 SOUND TRACK CONVERTER** Converts music modules into executable files.
- V330 RED SECTOR EXTRAS DISK 1** On this disk are 32 point fonts, 16 point fonts, vector stars, Star fields & Space Space Journey - Lore. By deadzone Troopers.
- V331 RED SECTOR EXTRAS DISK 2** On this disk are Big logos, Life logos, Vector Stars, Starfields, Bob Anim, Vector Objects, Vector Ball Objects & Point Fonts.
- V332 AMIGA PUNT PROGRAM** Horse racing prediction program for the Amiga.
- V333 KING JAMES VERSION OF THE BIBLE** Packed on four Amiga disks (4).
- V338 TRANSFORMER V3.3** This is the latest version of the IBM Emulator disk.
- V339 SPECTRUM EMULATOR DATA DISK 1** Adventure Classics needs V76 or V443.
- V340 TSB VECTOR DESIGNER** The latest graphics program. The TSB Vector designer V1.1. This program will create filled vector objects, line vector & text objects. Includes a clip art collection. 2. Light more disks fully packed with excellent clip art (8).
- V341 CLIP ART COLLECTION 2:** Light more disks fully packed with excellent clip art (8).
- V342 TSB VECTOR DESIGNER V1.1** Replaces the CU command line & makes life easy. Recommended for all.
- V350 BUSINESS CARD MAKER** Design your own business cards on the Amiga.
- V354 POS UTILITIES No 13** Free Card. Removes protected games copy protection so that the user can install them on his/her hard disk. DCol. Can create your own disk catalogue. Scenery. Creates some excellent fractal based land scapes. Nuke.
- V358 GENESIS LANDSCAPE SCULPT** or mould any landscape fractal. Various types (FF50).
- V361 POS UTILS:14** Music based collection this time. The latest mod convert program, The New Noise Player program. The latest Multi Player program, which will play various modules not just one type. Some Modules for most music programs, & New instruments.
- V365 - RED SECTOR MODULES (MUSIC):** Various excellent music modules for use with the demo maker. Includes red sector modules include Laser Intro, Loading, House 2 & More.
- V366 600 BUSINESS LETTERS** There are over 600 Standard business letters on this disk. Can be used as they are or insert some parts into your own letters/need.
- V374 RED SECTOR BOSS EDITOR** Similar to the vector editor but on idea it will easily create boss routines for the Red Sector Demo Maker includes various bits to help you start.
- V375 ARNIE SAMPLES** Extracts from the films terminator, Predator & The Running Man. (8).
- V390 DESK TOP PUBLISHING PROGRAM** The first Amiga PD Desk Top Publishing program. Includes various extra features over the old Word processor, Text Editor, Graphics editor & loads more. Have text editor on the Amiga, easy controls.
- V393 POS UTILS No 15: Boss Games.** The idea is to install one of two games only your disks bootbooks, Breakout and Breaker. Very simple to use. BootGen. Another boot book program. BootPic. This program will install any IFF picture into your disk bootbook. Trainer Maker.
- V394 CHEMESTETIC** is a program that draws molecules using the collate model. Excellent effects.
- V395 LEDIT WORD PROCESSOR V2.4h** This is a shareware word processor with various menu modes, a command language, many customisable, helpful, on the help, a touch menu, spell windows, copy & paste, and features.
- V396 POS UTIL No 16: Database** Excellent database program. Nice menu driven system. Landscape. Based around a landscape drawing.
- V397 MANDELBOROT ADVENTURE KIT** A really sound mandelbrot generator with full source code.
- V399 POS UTILS No 17: Synchrony** is a pattern program & a movie a video production scanner.
- V400 RAY TRACER CONSTRUCTION KIT** A Ray tracer for the Amiga computer. Load Workbench II. V401 WINDOWBENCH V1.0 (2) This is an excellent Workbench replacement and is styled in Amiga Workbench II form. Recommended.

- V403 AMOS UPDATE V1.32** This is the latest update for the Amiga Programmer.
- V410 POS UTILS No 1: PRINTING UTILITIES** Various utilities for any printer use, these some excellent programs here like, PPTYPE, PPSHOW, AFD, View, Tiny Print, Fastjet. A program for Desktop 500 users who use the resolution enhanced graphic set. GWPRIET II.
- V411 NCOM V1.921** The latest version of that excellent Modem program. Best Modem program.
- V413 WORKBENCH 2 & WORK STATION** This is not just another workbench. It's a collection of utilities with the Workbench theme. (2).
- V415 VIDEO SCREENS** Another disk packed with excellent back ground pictures for video production work or load them into Dpaint.
- V417 SUPERBENCH & EXTRAS** An excellent replacement disk with more utilities than the original V2 (2).
- V420 CURSOR BASIC COMPILER** Compile any Amiga Basic program with this utility disk.
- V423 C. COMMANDS** This disk is filled with utilities which can be used in any StartUp-sequence.
- V424 POS UTILITIES No 18** Another collection of utilities by us here. Utilities include, Antivirus, program, said to stop the flicker in High Res. Atari Emulator. Another program to turn your Amiga into an ST. Smart Icon. This program will change your workbench & smart up the window system.
- V429 DIGITAL MASTERING DEMO MAKER** A new demo creator and not just Red Sector (2) Disk.
- V431 EMULCOP V4.0** This is the latest version of the best cruncher. Reduces file size for storage on hard drives from your own collection disks.
- V433 ANIMATION STUDIO** An excellent Animation creator for you to make your own.
- V438 OPTI UTILITIES V2.0** This disk is packed with some excellent hard disk utilities.
- V439 AMIGA C. MANUAL V1** The manual is the complete C. manual for the Amiga & describes open & work with all parts of the C. system. It also contains various examples, some simple & some more complex of the way through the disks a tutorial is there to help you but. (1).
- V443 SPECTRUM EMULATOR V1.2** By KGB. Various new features but the main update feature is that it now has sound ability.
- V444 PRINTER DRIVER UPDATE DISK** Now contains instructions how to install them. All previous drivers included on this disk. Over 90.
- V445 JRCOM V1.02** This is the latest version of the excellent modem based computer program.
- V455 LAND BUILDER** A fractal generating program to generate landscapes.
- V456 PRINTING UTILITIES No 2: LABELBASE V3.0** An excellent data base program. This is very easy to use. Reviewed in various CU's.
- V457 POS UTILITIES: Flashcopy** New copier for the Amiga. SYInfo, displays your machines details. BootX v4.02. One of the best virus killers.
- V458 NIB COPIER** Another coping program. Please check the copyright of the program that you intend to copy. Very good new version.
- V463 SUPER C COMMANDS** The disk is not as full as some others but contains full instructions.
- V468 DIGITAL ADDRESS BOOK** Collect & save your address lists on computer. By Mark Jarvis.
- V475 P-SUITE V1.4** A collection of programs called P-Write, a simple word processor, P-Draw, P-Render and much more. Excellent disk.
- V479 CHESS & CHESS UTILITIES** A collection of chess related Puzzles, Programs & Utilities.
- V480 WHOM IS THE NEXT GENERATION** (2) Includes the excellent database program, now includes various excellent (new features).
- V483 THE RIPPER GUIDE** A collection of help-full utilities for people who rip pictures & sounds.
- V484 ADVENTURE SOLUTION (2)** Another good collection of adventure solutions for various games.
- V486 DWS RENDER** Another ray tracing prog.
- V488 A-RENDER v3.0** Another Ray tracing prog.
- V489 AMBASSIE** This is the latest update to the excellent database program, now includes various excellent (new features).
- V490 MESSY SID** This is the latest version. It will read MS-Dos disks and transfer any text files to it from the PC disk / Your Amiga. So you can do work on an IBM or an Amiga and swap text between them.
- V491 TEXT ENGINE V2.1** Another excellent word processor program. Simple but will do the job.
- V492 JAM RIPP V1.5 & JAM CRACKER V1.0** A simple editor & monitor which also contains an excellent music ripper program.
- V493 DESKBY V3** This is an excellent Workbench replacement with special utilities. (3).
- V497 BEATRICE POTTER CLIP ART** An excellent collection of clip art for any DTP program or Dpaint.
- V498 THEIF SOUND RIPPER V3.0** Finds Sidman 1, 2 & 4800, 128k, 256k, 512k, 1024k, Sound monitor, Noise/Protector, Silence, Delta, soundsystem, David Whisker & NoisePucker.
- V499 STAR CHART V1.2** This is an excellent star plotting program with some interesting features.
- V500 FAULTY TOWERS SAMPLES** With these samples you can create some weird music.
- V501 NEWSFLASH 21** System info update, mega man V3.0, IFF, Can, Mon, No Directory. Last track, Imposter v4.0, Copside v4.0.
- V503 SOUND & MUSIC BAGS 1/2** These disks are packed with samples, modules & Utilities (2).
- V508 SWAG NO.4. FRACTALS** Mandelbrot, Mond Anim, 2Plot & more. Reviewed in CU Amiga.
- V509 MED V3.2** This is another update to the Ultimate-sound music program.
- V510 LUTTERBENCH** This workbench replacement is the first one for the new Amiga 500+ computer.
- V511 THE SUPER KILLERS V2: BOOT X V4.0** This is the best virus killer disk to date kills over 200 virus & may be more. Includes Various excellent killers. An excellent program for hard disk users. Recommended.
- V515 THE A64 PACKAGE V2.0** A very complete C64 Emulator. Actually runs faster than a 64. Runs 64 basic. Transfers disks from your original 64 disk drive with a shareware lead (2).
- V517 VIDEO & IMAGES PACK 1: Toolset/Top, Down, logos, colours & grey bar generation.**
- V518 GEN** Will do crowding credits, Stillstore, Creates over the shoulder graphics inserts like a 9 o'clock news. (3).
- V520 GRAPHICS AGRAPH** Creates colourful pie, bar and line graphs. Picbase, shows reduced versions of all your IFF pictures on a disk / hard drive.
- V521 PICTURE & GRAPHICS: Pictory** is powerful full featured plotting package. Plans a vector line drawing. Includes various excellent (new features).
- V522 ARP V3.3: Common v1.4** Makes many improvements to AmigaDOS & makes your system easier to use. Includes full users developers guide.
- V523 DICE C Compiler** Matthew Dillons full featured powerful C compiler and environment system. (2).
- V525 LABEL MAKER V1.3** An excellent disk, printing program with various new features.
- V526 DORAW MAP V2.1** A new map program. 14 colour palette with user control. New features include larger maps with national boundaries, improved help and printing (2) Requires 1.2Mb.

- V526 POS UTILS:20 Superdemos** Another excellent disk copy program. Latest update with new features. Diskspaced & FullView.
- V529 FRACTAL & SCULPT** Tree 4d, Creates sculpt & trees with leaves. Contour 4d, IFCen & Plasma.
- V530 BUDGET** A program to help managing personal finances. This is a update to disk V2.80.
- V532 HORROR SAMPLES** Another selection of samples to be used with any music program. (2).
- V536 CATALOGUE UTILITIES** A collection of utilities used to Catalogue disk / Video / Tape collections (2).
- V543 DISK STATION (2)** An excellent workbench replacement with built in utilities like Sid and others.
- V546 KIDS PAINT** A painting program designed for children. Includes various colours and speech.
- V547 RADBENCH v1.4** Another workbench replacement / Enhancement disk.
- V549 ELECTROCAD V1.4** Another updated on the cad drawing program written in Amos.

STAR TREK SELECTION

- A105 Klingon D7 Cruiser** Trek's first Klingon ship. NCC-1864. Excellent very good.
- A106 ENTERPRISE** The first Star Trek ship. NCC 1701-A. The classic animation.
- A114 GRABBER** Star Trek's first Klingon ship. NCC 1701-A. The classic animation.
- A116 THE STAR TREK** Animation of the bridge & various pictures from the Star Trek.
- A117 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A118 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A122 APPROACHING VESSELS** Animation, Binary Field Wireframe landscape by T. Richter.
- A123 STAR TREK FLEET MANUEVER NCC 1940** Fly over & by animation. Excellent classic.
- A133 THE PROBE II** Animation & BRID OF PREY Animation from Star Trek. KUNGSCHIT.
- A144 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A145 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A172 APPROACHING VESSELS** Animation, Binary Field Wireframe landscape by T. Richter.
- A173 STAR TREK FLEET MANUEVER NCC 1940** Fly over & by animation. Excellent classic.
- A173 THE PROBE II** Animation & BRID OF PREY Animation from Star Trek. KUNGSCHIT.
- A174 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A175 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A176 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A177 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A178 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A179 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A180 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A181 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A182 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A183 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A184 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A185 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A186 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A187 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A188 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A189 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A190 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A191 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A192 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A193 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A194 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A195 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A196 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A197 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A198 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A199 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A200 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A201 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A202 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A203 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A204 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A205 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A206 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A207 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A208 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A209 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A210 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A211 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A212 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A213 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A214 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A215 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A216 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A217 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A218 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A219 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A220 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A221 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A222 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A223 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A224 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A225 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A226 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A227 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A228 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A229 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A230 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A231 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A232 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A233 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A234 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A235 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A236 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A237 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A238 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A239 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A240 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A241 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A242 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A243 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A244 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A245 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A246 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A247 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A248 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A249 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A250 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A251 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A252 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A253 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A254 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A255 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A256 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A257 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A258 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A259 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A260 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A261 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A262 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A263 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A264 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A265 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A266 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A267 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A268 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A269 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A270 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A271 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A272 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A273 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A274 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A275 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A276 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A277 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A278 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A279 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A280 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A281 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A282 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A283 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A284 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A285 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A286 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A287 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A288 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A289 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A290 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A291 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A292 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A293 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A294 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A295 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A296 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A297 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A298 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A299 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A300 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A301 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A302 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A303 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A304 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A305 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A306 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A307 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A308 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A309 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A310 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A311 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A312 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A313 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A314 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A315 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A316 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A317 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A. Enterprise. MENSCH ROBOTER.
- A318 THE TWCN NCC-1860** Rebuilt & the NCC 1701-A



Most of the TBAG disks have the Activator front end. This system allows you to read the documents of programs and run them from the same screen – it's very easy to use.

blank disks. When a custom boot block gets destroyed by a virus, just use BootX to put it back again. If you're convinced that you can never get a virus and don't need this program you are wrong!

There's a picture and sample ripper too (for getting picture and sound files out of programs for your own use). Also included is a general ledger program, for keeping a simple set of accounts for a very small business. A bit limited (no VAT support for example) but much better than trying to keep all the facts on different pieces of paper.

Macro Maker, from the Long Island Media Group, is not a complete program – but the demo alone will prove of use to some. It helps you write scripts and macros for Art Department, so that you can process a whole batch of pictures, rather than doing them individually by hand. To get the full version of the program (for use with Art Department Professional) you must register with the authors in the USA.

At the tail end of the disk comes MusicGag, a simple program that will play a sound when you press a key. The tone of the sound varies with each key you press. Handy for those people who are used to clackety-clackety old style typewriters.

BATTLE CARS

DEJA VU LPD71



This shot doesn't do justice to the game – everything moves and flows smoothly and fast, unless you clip a grass verge, when they gyrate for a split second

Not to be confused with the 3D attempt reviewed last issue (or the Deja Vu program *Formula One Challenge*), this version of Battlecars lets you compete with either the computer or another player. The view is from overhead, and the object is simple. Either out race the other car over three laps, or make sure that he doesn't finish!

Battle Cars can be played over one, two, four or even eight races. Winners get cash prizes which can be

spent in various ways. At the start of each race, you can buy extra hardware for your car; a turbo boost for the engine, a weapons pod (I'll talk about that in a minute), racing tyres, power steering or extra armour. You can never afford everything, so your purchases depend on your style.

When you buy a weapons pod, three weapons systems are added to the car. These are a laser (hits automatically if your opponent is right in front of you), a smart missile (hits if your opponent is on the screen) and a strange sort of wave weapon that doesn't seem to do much at all – maybe it slows the other car down or something.

You see, when you're playing the game you don't have time to make conscious decisions or carefully planned set piece moves. It's all jerk reactions, trying to go as fast as possible while not piling your motor and making the other guy's life hell.

The computer skill level has 10 settings, ranging from hopeless to unbeatable. It's much more fun against a human opponent though (as are most games) – Frank "Ferrari" Bartucca certainly taught me a thing or too about handbrake turns.

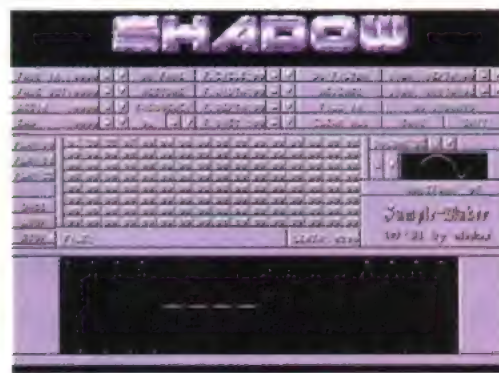
Controlling the car is the strangest part of the program. You use a joystick, and left and right are simple enough for steering. Down selects different weapons, up fires them, and the fire-button is the accelerator pedal! Takes a while to get comfortable with it, but it works pretty well.

The presentation is good, and the only moans I've got are about the way the track behaves. You can't go onto the grass at all – you just bounce off. When you clip a verge, you often get thrown off at unpredictable angles, and the graphics flicker in a gross fashion. Apart from that, well done Phillip G Harle.

SHADOW SAMPLE MAKER

17 BIT 1614

If you want sound on the Amiga, then a sampler is a must. But what if you don't have any sounds to sample? There are many programs around to make sounds up from scratch, but to be honest I've never found one that was easy enough for me to use. Thank heavens Shadow did this.



Sample Maker looks complicated, but it's easy to get to grips with. Just choose the waveform, pop it into the waveform list – anywhere you like – then play the sound.

The idea is that your sample to be is a long list of pieces. With sample maker, you can put a different waveform into each piece, and change the tone of it. By building up the waveforms, you can create a reasonable imitation of the sound you want.

Sample Maker runs from one screen – there are no menus or different windows or anything like that. It works in a similar way to synthesisers from the Seventies and early Eighties. Just choose the wave-

form, alter it to taste, and put it into the sample list. Play the sample list to check on the sound.

You keep doing this, building up the sample until you've got a sound you like. Then just save it to disk, for use in your sample sequencers or (if you're a programmer) into your programs. This program isn't just good – it's fun too!

DICE C

PD SOFT V523 AND V524

A two disk set, DICE C is a compiler for the C language. The main difference between this version and other PD versions is that, rather than being a C compiler for the Amiga, DICE gives a very good version of the ANSI standard for C.

If you're learning C on an ANSI system and want to do some homework, this two disk set could be a bargain buy. The second disk includes most of the more common library routines used by the Amiga, as well as some documentation. However, the disks only have one icon between them – if you're not used to Shell don't get them.

If you register with the author, he will send you a better version of the compiler, with more features like Bit data fields, floating point arithmetic, a more indepth manual, more commands and some miscellaneous libraries. The idea is that if you like DICE, then you can get the full version.

CONTACT LIST:

All the Public Domain programs and utilities reviewed here can be obtained from the following PD libraries.

AMIGANUTS PD: 169 Dale Valley Road, Hollybrook, Southampton, SO1 6QX

17 BIT: PO Box 97, Wakefield, West Yorkshire, WF1 1XX. 0924 366982

DEJA VU: 25 Park Road, Wigan, Lancashire, WN6 7AA, 0942 495261

NBS: 1 Chain Lane, Newport, Isle of Wight, PO30 5QA

PD SOFT: 1 Bryant Avenue, Southend-on-Sea, Essex SS1 2YD, 0702 466933

TOP TEN UTILITIES OF THE MONTH

Every month, we look at the best-selling utility and game PD disks from a particular library, so you can see what's popular...

SOFTWARE EXPRESSIONS

1	Text Plus	AU 22
2	Sid 1.6	AU 19
3	Fox Desktop Publishing	AU 56
4	Super Twintris	AG 66
5	Llamatron	AG 79
6	Survivor	AG 78
7	Wordwright	AU 23
8	Castle of Doom	AG 16
9	Cardsharp	AG 77
10	Quickbase	AU 35

CENTRAL SCOTLAND'S PREMIER P.D. LIBRARY

UTILITIES

U212 Text Engine 3.0
U211 Land Builder
U210 Puma Tracker
U209 Insanity Tools Disk
U208 Graphics Construction Kit
U207 Easy Print 2
U206 Digital Address Book
U205 Pete's Utility Disk
U204 Workmate Utilities
U203 Pools Checker
U202 Amiga Plus Utilities
U201 King James Bible (3)
U200 Messy Sid 2
U199 Amiga Fox
U193 Deluxe RSI
U191 Windows Bench (2)
U189 Assassins Label Printer
U167 PC Emulator
U176 Easy Text Plus 3.0
U178 Words (2)
U141 Jas Super Virus Killers
U142 Med V3.11
U127 Kev's Emulator Disk
U133 Slideshow Creator

GAMES

G084 Ghostship Game
G083 Simpsons Game
G082 Bionix 2
G081 Lizzy's Quest
G072 Scum Haters
G073 Games Galore
G061 Assassins Game Compilation
G057 Truck "in" On (2)
G052 Megaball
G050 Seven Tiles
G032 Return to Earth
G001 Learn and Play (2)
G076 Super Skoda Challenge
G011 Castle of Doom

DEMOS

D144 Monty Radio Song
D145 Skizzo Demo (2)

D146 Vietnam Conflict
D147 Terminator 23 Megademo
D143 VTDL Animation (2Mb)
D142 Gulf Conflict Animation (2Mb)
D141 In Bed With Madonna
D140 Madonna Animations
D138 Bruce Lee Animation
D135 Public Attack Demo
D102 Anti-Lemming Dem (2Mb)
D021 The Addams Family

SLIDESHOW

S054 Flatliners Slideshow
S055 Akari Piccys
S056 Predator Slideshow
S001 Viz Slideshow

MUSIC

M093 The Cats Sing Kylie!
M092 Academy Band in a Box!
M091 I Think We're Alone Now
M090 Scrapers Music II
M089 Dimensions X Music Disk
M088 Utah Saints - What can you do for me
M087 Shadow Music Disk
M086 Rhapsody in Blue
M085 Move any Mountain (2)
M081 Lemming Curd

DEJA VU LICENCEWARE (3.50)

LPD1 Colouring book
LPD4 Thingmajig
LPD8 Work and Play
LPD10 Word Factory
LPD14 Play it Safe
LPD29 Big Top Fun
LPD37 Rocket Maths
LPD47 Dirty Cash

PRICE OF DISKS

1 - 19.....£1.50 each
20+.....£1.25 each
Catalogue Disk.....£0.50
Minimum Order 2 Disks

We welcome international orders.

TEL: 041-777 6300

The above represents only a small selection of our collection. Please call for new arrivals, or why not call into our showroom.

Prices include postage and packing.

Payment by Access/Visa or make your cheques or P.O.'s payable to

Micro Choice:- 30 Townhead, Kirkintilloch. Tel: 041-777 6300

SOUTH LINCS PD

75p per disk, large selection of Amiga PD, including, Games, Graphics and Animation, Adult Only, Utilities, Music, Demos, Fred Fish Disks, T-Bag Disks 1-60.

Below is a small selection of titles available.

GAMES

1005 Drip
1024 Breaker
1040 Bionix
1050 Pipeline
1059 Tile Trial
1065 Yelp
1093 Downhill Challenge
1094 Games 12 (Air Ace & more)
1098 Megaball
1100 Star Trek T.N.G. (1.3)
1101 Llamatrons (1.3)

UTILITIES

4001 UEdit (Word processor)
4070 Amibase 3.76 (Database)
4086 Icons
4087 CManual v2.00 (4 disks)

MUSIC AND SOUND

5037 Led Zeppelin (2 disks)
5066 Blues House (2 disks)
5067 Meaning of Life * (2 disks)
5068 Walk This Way Remix

GRAPHICS AND ANIMATION

2031 Elgato * (Cat anim)
2040 Tron * (2 disks)
2069 Real Things Birds *
2083 Life's a Bitch (18)
2089 Madonna Cartoon * (1.3)
2109 Juggler II (1.5Mb)
2110 Juggette 2* (The Revenge)
2111 Anti-Lemming (2Mb, 2 disks)
2112 The Dating Game (3Mb, 2 disks)
2115 Top Gun
2120 Agatron Anim 30*
2124 At the Movies (1.5Mb)

DEMOS

6059 Indianapolis 500
6072 Ray of Hope 2 (1.3)
6073 Alpha Omega
6075 Odyssey (Demo, 5 disks) (1.3)

(1.3) = Amiga 1.3 only, all other titles are 1.3 and 500+ compatible. * = 1Mb
Blank Disks DD/DS, 10 for £4.80, 50 for £22.00, 100 for £42.00
(P&P inclusive)

Catalogue disk only 50p or send large S.A.E. for list of titles. Please add 50p for postage and packing to total for orders of PD. All orders of PD sent same day by first class post. Europe add 25p per disk. R.O.W. add 50p per disk.

Cheques/postal orders made payable to:

South Lincs PD

10 Linden Rise, Bourne, Lincs, PE10 9TD

TEL: 0778 393470

Crazy Joe's

Amiga
Public Domain
Software

CRAZY JOE'S, DEPT. AF
145 EFFINGHAM STREET
ROTHERHAM

SOUTH YORKSHIRE S65 1BL

GAMES PACK 2

(1 MEG ONLY - NOT A500+)

BALLOONACY, CROSSFIRE,
TWINTRIS, ARCADIA,
WIZZY'S QUEST

5 DISK SET ONLY £4.95!

GAMES PACK 4

(NOT A500+ COMPATIBLE)

CARD & BOARD GAMES, SHAPES,
FRANTIC FREDDIE, SERENE II,
MENTAL IMAGE GAMES

5 DISK SET ONLY £4.95!

PLUS A WIDE RANGE OF
COMMERCIAL SOFTWARE,
JOYSTICKS, DISK BOXES,
ACCESSORIES, BLANK DISKS AND
MUCH MORE IN OUR
FREE CATALOGUE!

HOW TO ORDER

SEND CHEQUE / P.O. PAYABLE
TO 'CRAZY JOE'S'
CREDIT CARD ORDERS
(0709) 829286
FAX YOUR ORDER ON
(0709) 878308

GAMES PACK 1

(SOME 1 MEG - NOT A500+)

37 TITLES INCLUDING INVADERS,
TETRIS, ASTEROIDS, MISSILE
COMMAND, AND MANY MORE!

8 DISK SET ONLY £7.95!

GAMES PACK 3

(ANY AMIGA - A500+ COMPATIBLE)

DRAGON CAVE, DRIPI, ZEUS,
MEGABALL, AIR ACE II

5 DISK SET ONLY £4.95!

PRICE INCLUDES POSTAGE IN UK
REST OF EUROPE, EIRE... ADD £2.50
REST OF WORLD... ADD £4.00
OVERSEAS ORDERS SENT AIR MAIL
PAYMENT IN STERLING PLEASE!

SEND A STAMPED ADDRESSED
ENVELOPE (9" x 6") FOR OUR
FREE CATALOGUE!
THOUSANDS OF TITLES

FROM ONLY

99p

PER DISK!

SOUTH COAST SOFTWARE

"The Best For P.D."

Disks at the most competitive prices.

Send S.A.E. for M/O catalogue

THE OLD BARN,
TREKNOW, TINTAGEL
CORNWALL

Or phone for direct service on:
(0840) 770697

JTS PD

ALL DISKS 95p EACH

DISKS	DISKS
ADDAMS FAMILY (1)	AURORA DEMO (1)
POPEYE MEETS THE BEACH BOYS (1)	GLOBAL TRASH (1)
SCYOPEN MENTAL HANGOVER (1)	HORIZON SLEEPING BAG (1)
ENOMIA (1)	VIC REEVES (1)
BUDBRAIN II (1)	TOTAL RECALL (1)
TOTAL RE-HEAT/RE-PRINT (1)	NENSON 2 (1)
ALIENS (2)	IRAQ DEMO (1)
AMOS DEMO II (1)	SIMPSONS (1)
DNEB3 (1)	ADVENTS - LUMBERJACK (2)
MANIC RAVES (2)	ZERO DEFECTS (2)
JTS SOUNDTRACKER SET (5)	808 STATE (1)

CATALOGUE DISK PLUS MODULES DISK FOR £1.20

To Order: Please make cheques or postal orders payable to JTS PD. If you are ordering under 6 disks then please add 20p to the total price, then send your order to:

22 STONEYBECK, BISHOP MIDDLEHAM, CO. DURHAM DL17 9BL
TELEPHONE: 0740 655721

BYTEBACK



FAST

DELIVERY SERVICE

....and the keenest prices

Ring us now! **0636-79097** we're programmed to help

BEST OF THE AMIGA PUBLIC DOMAIN

DISK PRICES

1 to 9 disks.....£1.25
10 disks plus file box.....£9.99
11 and over.....99p

Prices per disk! 2D = 2 disks etc.
* = NOT Amiga Plus! MB= Megabyte

To order any of our PD disks simply quote the required disk numbers.

Minimum Order 3 Disks!
Catalogue disk.....99p

GAMES

- AG.01 **Star Trek**; Classic! (3D-Mb)
- AG.03 **Star Trek** (Agatron); (2D-Mb)
- AG.05 **Pacman 87**; Multi level classic.
- AG.07* **Board and Card games**; Cluedo etc
- AG.10 **Space Invaders**; Arcade Classic
- AG.11* **Tennis**; great simulation. (Mb)
- AG.14* **Flascheiber**; Boulderdash style.
- AG.16 **Castle of Doom**; Graphic Adv.
- AG.22 **Return to Earth**; Elite style
- AG.24 **Drip & China Challenge**; Frogger.
- AG.27* **Star Trek (USA)**; Great! (2D-Mb)
- AG.29 **Chess + Tiles**; Tetris Two, etc.
- AG.30* **Twintris**; Better than Tetris!
- AG.31 **Simpsons**; shoot-em-up style.
- AG.32 **Legotris**; another Tetris game.
- AG.36* **Wizzys Quest**; Arcade puzzling.
- AG.38 **Star Trek**; The Arcade game.
- AG.39 **Wacko in Wonderland**; Platform.
- AG.40* **Metagalactic Llamas**; Classic!
- AG.42* **Games Galore**; Star Trek, Trivia, Pharaohs Curse, Monopoly, Mazeman....
- AG.43* **Gridrunner + Rebound**; Invaders.
- AG.44* **Sorry + Missile**; Blackjack etc.
- AG.45* **Seven Tiles**; Speedball style.
- AG.46* **Megaball**; Arkanoid style.
- AG.48 **Diplomacy**; War Strategy game.
- AG.49* **Eat Mine**; Emerald Mine copy.
- AG.51* **Frantic Freddy**; Platform game.
- AG.52 **Block It**; Superb Puzzle game!
- AG.54* **Downhill Skiing**; Classic game.
- AG.55 **Amos-Defence**; Shoot-em-up.
- AG.56 **Assassins Games II**; Invaders, Girl Action, Missile Command etc...
- AG.57* **Battleforce**; Fantasy Action.
- AG.58 **Balloonacy**; Great Bomber clone.
- AG.59 **Squamble**; Scramble version.
- AG.60 **Asteroids**; Arcade Classic!
- AG.61 **3 Player Tetris**; Triple the fun!
- AG.62 **Patience & Dominoes**; As titled
- AG.63* **Jetman**; Spectrum Jetpac copy!
- AG.64* **Assassins 1**; Rollerpede, Tanx, Caverunner, Amigoids, Avatris.
- AG.65* **Skate Tribe**; Skateboarding fun.
- AG.66 **Super Twintris**; MEGA Tetris!
- AG.67 **Assassins 4**; Jumper, Klondike, Go-moku, Jumpy, Turbo Duel, Cracker.
- AG.68* **Assassins 4**; Go Looly, Raid and Retaliator. Great SEUCK games!
- AG.69 **Marble Slide**; Pipe Panic style.
- AG.70 **Columns**; Tetris/Klax variation.
- AG.72 **Air Warrior**; Flight Simulator!
- AG.73* **Battle Pong**; Updated Pong game.
- AG.74* **Monopoly**; English game version!
- AG.75 **Wastelands**; Great 3D adventure.
- AG.76* **Ladybug**; Pacman variation.
- AG.77 **Cardsharp**; Klondike, Castle, King Albert; Calculation, Demon....
- AG.78 **Survivor**; Excellent Role Play.
- AG.79* **Llamatron**; Jeff Minter Classic.
- AG.80 **Atic Atac**; Spectrum game copy.

UTILITIES

- AU.01* **Jazzbench**; Workbench upgrade.
- AU.02 **UEdit**; Excellent file editor.
- AU.03* **QL Emulator**; + data disks. (3D)
- AU.11 **Starchart**; Gives positions and movements of all major constellations
- AU.13 **Visicalc**; Superb Spreadsheet.
- AU.15* **Dope Intro Maker**; Create demos.
- AU.18 **North C**; Complete C Language!
- AU.19* **SID**; Workbench replacement.
- AU.21 **Avoiding CLI**; useful utilities.
- AU.22 **Text Plus**; Word Processor (v2.2)
- AU.23 **Word Wright**; Word Processor. Plus: Amiga Spell; Spell Checker!
- AU.24* **Spectrum Emulator**; Run some Spectrum games on your Amiga!
- AU.26 **Complete C Manual**; 11 chapters plus 70 executable examples! (3 disks)
- AU.27 **Amibase**; Professional database!
- AU.31 **Ghostwriter**; Demo Maker. (Mb)
- AU.32* **Label Designer**; Design and print.
- AU.35 **Quickbase**; Easy to use Database.
- AU.36 **Rainbow Writer**; Demo Maker.
- AU.37 **mCAD**; Professional CAD package.
- AU.38 **Ultimate Icon Disk**; Great Icon creator, nice and easy to use!
- AU.40* **Red Sector Demo Maker**; Powerful program for creation of Demos (Mb)
- AU.41* **Mandelbrot Generator**; Superb!!!
- AU.42* **Rippers**; Music/Graphic Rippers.
- AU.43* **Master Virus Killer**; Excellent Virus killer, detects over 124...
- AU.46 **Home Utilities**; Wordwright, SCalc (Spreadsheet), Label print.
- AU.49 **Ripped Fonts & Logos**; Character sets extracted from various demos!
- AU.50 **Picturesque**; Great Art package.
- AU.51 **Business Letters**; 600 plus to adapt and use in your word processor!
- AU.52* **C64 Emulator**; Latest version, hardware available separately!
- AU.53* **Speedbench**; load in 15 secs.
- AU.54 **Printer Drivers**; 30 different.
- AU.55 **Bible**; King James version. (4D)
- AU.56 **Fox DTP**; Desktop Publisher!
- AU.57 **Budget Finance**; Personal use.
- AU.58 **Messy SID**; PC to Amiga files.
- AU.59 **Typing Tutor**; Master those keys.
- AU.60* **Opti Utilities**; Virus killers, PD Copy 3, Fixdisk, Text Engine...
- AU.61 **Spectrapaint 3**; Paint program.
- AU.62 **Tarot**; Astrological Horoscopes.
- AU.63 **Land Builder**; Vista style.
- AU.64 **Punt Prediction**; Win on Horses!
- AU.65 **Mandelbrot Adventure Kit**; Great.
- AU.66 **Business Card Maker**; As titled.
- AU.67 **Disk Print**; Disk label printer.
- AU.68 **Spectrum Adventures**; Need AU.24

HELP!

- AH.01 **Adventure Game Solutions**; More than 100 complete solutions! (2D)
- AH.02 **Eye of Beholder**; Maps, Hints...
- AH.03 **Chaos, D. Master**; Maps, Hints...

Fonts

- AF.01 **Cosmopolitan**; Rangers, Peignet, Avant Guard, Aldous, Celtic etc...
- AF.02 **Fancy**; Hollywood, Park Avenue, Broadway, Camelot, Courier, Ham...
- AF.03 **Publishers**; Helvetica, Akashi, Andover, Bookman, Boxie, Times...
- AF.04 **Various**; Unusual, Videofonts, Large & Small fonts....Utilities.

DEMOS

- AD.01 **Walker 1**; Classic animation (Mb)
- AD.02 **Walker 2**; Classic animation (Mb)
- AD.04 **Probe Sequence**; Award winner!
- AD.18* **Puggs in Space**; Funny cartoon!
- AD.21* **Busy Bee**; Sculpt 3D anim. (Mb)
- AD.23 **Ship and Sphere**; Ray Trace. (Mb)
- AD.24 **NewTek Demo**; Incredible. (Mb-2D)
- AD.25 **The Run**; Lotus Car Chase! (Mb)
- AD.36 **Kefrens Megademo 8**; Ace! (2D)
- AD.39 **Agatron animations**; 3D film of USS Enterprise attacking USS Reliant.
- AD.44 **Laurel and Hardy**; Films. (2D)
- AD.45 **Star Trek, Dry Dock demo**; The highly praised Ray Trace masterpiece!
- AD.46 **Stealthy Manoeuvre II**; Cartoon.
- AD.50 **Budbrain Demo 2**; A Classic!
- AD.53* **Iraq demo**; Saddam and John Major!
- AD.54 **Simpsons**; Digitised: Do the Bartman plus great Bart slideshow!
- AD.56 **Phenomena Megademo**; Trip to Mars, Ray-Trace Fractals, Light Sourced World animation. GET IT! (Mb)
- AD.58 **Applecus**; Ray Traced. (Mb)
- AD.59 **PlasmuteX 91**; Truly Amazing!
- AD.61 **Franklin Fly**; Very amusing. (Mb)
- AD.62 **Dating Game**; by Eric Schwartz, very amusing animation. (3Mb-2D)
- AD.63 **Batman**; Terminal & late night; Three great Eric Schwartz anims. (Mb)
- AD.64 **Shuttlecock**; E. Schwartz. (Mb)
- AD.65 **Stealthy Animations**; 3 great Eric Schwartz animations. (Mb)
- AD.66 **Substance by Quartex**; Fractals, 3D animations, Ray Trace Bubbles.
- AD.68 **Universal Intensity Demo**.
- AD.69 **Decaying Paradise Demo**. (Mb)
- AD.70 **Global Trash by Silents**; Ray Traced Space Ship, Plasma effects...
- AD.71 **Ice Megademo** by Silents.
- AD.72 **Simpsons**; Best Bart one yet!
- AD.73 **Sickness Simulator**; Rude noises.
- AD.74 **WWF Wrestlemania**; Hulk Hogan, Ultimate Warrior, Hitman & many more.
- AD.77 **Digital Innovation**; 30 minutes!
- AD.78 **Fillet the Fish**; Great cartoon.
- AD.79 **Clockwork Orange**; Digitised...
- AD.80 **Light Animation**; MEGA! (3Mb-2D)
- AD.83 **Anti Lemmin Demo**; Superbl! (2D)
- AD.85 **Mars Flight**; Excellent! (Mb)
- AD.88 **Alpha Omega**; Stunning animated Ray Traced Fractals! GET THIS! (Mb)
- AD.89 **(b1) Eau Madonna**; 3 digitised animations from the 'In Bed' film.

CLIP ART

- AC.01 **Deluxe Paint**; quality pictures.
- AC.02 **Pagesetter Art**; Ready to load!
- AC.04 **IFF Alphabets**; Over 30 screens.
- AC.05 **Animals**; Anatomy, Buildings...
- AC.06 **Cartoons**; People, Animals...
- AC.07 **Holidays**; Flags, Flowers etc.
- AC.08 **Music**; People, School etc.
- AC.09 **Signs**; Titles, Logos, Headings.
- AC.10 **Teddy Bears**; use on Labels etc...
- AC.11 **Nightclub**; Vintage Cars, Bikes.
- AC.12 **Colour**; Occasions, Transport, Signs, Electrical, Architecture...
- AC.13 **Fruit**; Vegetables, Kitchen...
- AC.14 **Women**; Men, Boys, Girls, Babies.
- AC.15 **Cartoons**; Anatomy, People...
- AC.16 **Alphabets**; 52 different!
- AC.17 **Arrows**; Borders, Stars, Humour.
- AC.18 **Seasonal**; Occasions etc.
- AC.19 **Business**; Cars, Sport Trade...
- AC.20 **Art Deco**; Headings, Herbs...

SOUNDTRACKER

- SND.01 **Soundtracker**; Music creation.
- SND.02 **Soundtracker 4**; alternative version + instruments disk (2 disks)
- SND.05 **Soundtracker 8 Track**; Superbl!
- SND.06 **Noisetrapper**; Enhanced version.
- SND.07 **Soundtracker Rippers**; + Tunes!
- STI.01 **Digital Soundtracker samples!** to 8 disks with 100's of files!
- STI.08 (Buy one or all 8 for £7.99)
- STS.01 **Soundtracker Samples**.
- STS.02 **More Soundtracker Samples**.

EDUCATIONAL

- AE.01 **Blackboard Maths**; Concentration Colourpad, Cat & Mouse etc. (Age 5+)
- AE.02 **Spellquizz**; Maths Test etc. (5+)
- AE.03 **Fractals**; Evolution etc. (11+)
- AE.04 **Weatherman**; Airfoil etc. (11+)
- AE.05 **World Data**; 3D Plot etc. (11+)
- AE.06 **Talking Spelling Tutor**; Speech Toy. German, Elements etc. (2D) (11+)
- AE.07 **Educational graphics**; Technical illustrations, Needs Dxe Paint! (9+)
- AE.08 **Kids Paint**; Art program. (5+)

DEJA VU LICENSEWARE

Only £3.50 each!

- LPD 01 **Colouring Book**; Fun for kids.
- 02 **Arc Angel Maths**; Educational fun.
- 05 **Jungle Bungle**; Adventure. (Mb)
- 08 **Work & Play**; 3 Educational games for children. Very Good! (Mb)
- 10 **Word Factory**; Educational fun.
- 17 **Doglight 2**; Airborne Arcade. (Mb)
- 18 **Touchstones**; Board game. (Mb)
- 20 **Wordy**; Word Processor! Good!
- 21 **Quingo**; Terrific Trivia Quiz. (Mb)
- 27 **Flower Power**; Great game! (Mb)
- 29 **Big Top Fun**; Educational fun. (Mb)
- 30 **Shymer**; Kids Adventure game. (Mb)
- 35 **T-Teedraw**; CAD package.
- 36 **Fractgen II**; Fractal designer.
- 37 **Rocket Maths**; Educational Fun!
- 39 **Magic Forest 2**; Great game. (Mb)
- 41 **Rescue**; Virtual reality 3D. (Mb)
- 42 **X-Stitch**; Embroidery aid. (Mb)
- 43 **Lazerzone**; Good shoot-em-up. (Mb)
- 45 **Music Box**; Music utility. (Mb)
- 46 **Maggies Clip Art**; 300+ pictures!
- 47 **Dirty Cash**; Fruit machine sim.
- 49 **Marvin Martian**; Maze game. (Mb)
- 50 **Maggies Clip Art 2**; Lots of pics.
- 52 **LC24/200 Fonts**; for most printers.
- 53 **Maggies Clip Art 3**; Lots of pics.
- 54 **Maggies Clip Art 4**; 169 pictures.
- 55 **SpriteX**; Excellent Sprite Editor.
- 59 **Prehistoric Fun Pack**; Fun School type games collection... (Mb)
- 60 **Techno Snail**; Original Arcade fun.
- 61 **Final Chapter**; Original 3D game.
- 62 **Revolution**; Great Platform game.
- 64 **Rescue 2**; Another great 3D game.
- 67 **CYADonia**; Devious puzzling...(Mb)
- 68 **Virus Buster 2.1**; Virus killer!
- 69 **Magical Mix Up**; Jigsaw fun.

To order, quote: LPD.nn
(nn is number of disk eg LPD.01)

We have ALL the Deja Vu disks
NEW ones available as released!

GUARANTEED RETURN OF POST DELIVERY

BYTEBACK

DEPT AF, 6 MUMBY CLOSE, NEWARK, NOTTS NG24 1JE

Cheque, postal orders or credit card facilities are available



Q: HOW MANY PROGRAMS CAN YOU GET FOR £30?

A: 30!

Public Domain is your essential monthly guide to the world of free software. For as little as a pound you can pick up games, utilities, even fully-fledged business packages for your Amiga.

- Hundreds of programs reviewed and rated each and every issue
- In-depth features that tell you all you need to know
- A program-packed coverdisk crammed full of PD and shareware to astound you
- For only £2.95 you could save yourself hundreds

DON'T MISS ISSUE FIVE ON SALE 5TH MARCH

Yet another superb magazine from Future Publishing, the company that brings you Amiga Format, ST Format, Amiga Power, Amiga Shopper, PC Plus, PC Format, PC Answers...

Future
PUBLISHING





START
UPD/F4, 20 HOLMESIDE
SUNDERLAND SR1 3JE
TEL: 091 565 2506

UNITED PUBLIC



DIRTY CASH LPD 47
BEST SELLER!



ANGA DEMO - SUPERB
MUSIC & GRAPHICS



THE SOUND OF SILENTS



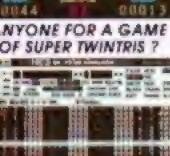
AGATRON - THE BEST
GAME IN ANIMATIONS!



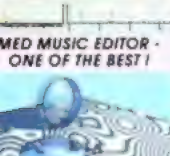
DRAGONS LAIR - SOME
IMPRESSIVE DEMOS



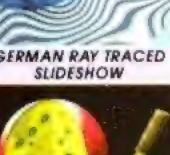
TRAD



ANYONE FOR A GAME
OF SUPER TWINTIS?



MED MUSIC EDITOR -
ONE OF THE BEST!



GERMAN RAY TRACED
SLIDESHOW



PRETTY IMPRESSIVE STUFF
ON REAL 3D

GAMES

PG001 2 ADVENTURE SOLUTIONS 2 disks full of adventure solutions! (2)
PG003 AIR WARRIOR This is a flight simulator program
PG004 ALL NEW STAR TREK Great game from Tobias Richter! (2)
PG006 ANTER & SLOOT CARS A graphical role playing game & a car game
PG007 APIDYA Brilliant demo of a great new game. Get it!
PG008 ASI 1 Tans, Rollerpedes, Avatars, Cavenurers & Amigoids.
PG009 ASI 2 Girl action, Missile command invaders & 3 more!
PG010 ASI 3 Megaball & Drip! Super breakout game & platform game
PG011 ASI 4 Jumper, Gomoku, Cracker, Turbo due & Klondike!
PG012 ASI 5 Raid, Go Looly & Retaliator. 3 shoot em ups
PG013 ASI 6 Downhill challenge, Pacman 87, Meta Llamas & Weltris
PG014 ASI 7 Destination Moonbase, Tri, Nightwings & Clouds runner
PG015 ASI 8 Air ace II, Hbali, Number Fumbler & Snakepit!
PG016 ASI 9 Battle pong & Blizzard - Two absolute great games!
PG017 ASI 10 Escape, Pipeline, Pickout & Sys!
PG018 ASI 11 Dad, Connex, Towers of Hanoi, Reversi & Trippin!
PG019 ASI 12 Llamator, Car, Powerpong & X F!
PG020 ASI 13 Ball Asteroids, Twinst, Block, L Squamle & Amigatration
PG021 ATC ATAC A conversion of the old classic Spectrum game
PG022 AWESOME PREVIEW Fantastic preview of a great game!
PG023 BATTLEFORCE A strategy war game similar to Mechforce
PG024 BLACKJACK A really good version of the game!
PG025 BUCK ROGERS A nifty little shootout from the C-64 days!
PG026 CASTLE OF DOOM An easy graphic adventure game!
PG027 CHINESE CHECKERS Computer version of the popular board game
PG028 COLOSSUS & WORLD Two very good adventures from Software distillery
PG029 CROSSWORD COMPILER Nice program for making crosswords!
PG031 DARKSTAFF A spectrum emulated text adventure game
PG032 DRAGONS CAVE Great Dungeons game, nice graphics!
PG034 ETERNAL ROME & DOMINIONS 2 nice games on this disk
PG035 ENSIGNIA MAZE Nice little maze game allows 4 views of maze at once
PG036 FLASHBIOR Over 200 levels in this boulderdash type game
PG037 FRANTIC FREDDIE Classic platform type fun with good music
PG038 GALACTIC FOOD FIGHT Fight through ice cream cones fruit etc
PG039 GROWTH Brilliant game where you must shoot the brain!
PG046 HACK Great text adventure in the infostrade game
PG047 HOLLYWOOD TRIVIA Nice trivia game with lots of questions!
PG048 HOLY GRAIL A nice text adventure, one of the best
PG049 JETMAN Remember the old game jetpac? Well here it is! Mega!
PG051 KILLER CARS A great car game with filled vector graphics!
PG052 LAMER GAME Similar to operation wolf shoot em up
PG053 LARH Another very well regarded text adventure game
PG054 LEARN & PLAY Great fun for the kids on two disks (2)
PG056 LASERZONE Great old 64 classic shoot em up
PG057 LEAPING LARRY Simple platform game done in Amos
PG058 LETTRIX Nice puzzle games similar to Tetris!
PG059 LORE OF CONQUEST Excellent space trading game D&D style!
PG060 MARBLE SLIDE Puzzle game, build slides up
PG061 MASTER OF THE TOWN Shoot the signposts in this game
PG062 MENTAL IMAGE PACK 3 great games Gridrunner Invaders & Rebound
PG063 MORIA Text adventure based around Dungeons & Dragons theme!
PG064 NAPOLEONIC WAR SIMULATOR A nice strategy type game!
PG065 NESTOR CARD GAME Another card game, looks quite good!
PG066 NETHACK Dungeon & Dragon adventure style game, very popular! (2)
PG068 NO MANS LAND Hi tech war games shoot em up
PG069 NU GAME Shoot em up with good graphics, quite difficult!
PG070 PETERS QUEST Rescue the maiden in this fun platform game
PG071 POM POM GUNNER Blast the enemy aircraft in this beachhead clone
PG072 PROPERTY MARKET A millionaire before you retire at 55
PG073 RAPHAELS REVENGE A turtles game done in SEUCK!
PG074 RETURN TO EARTH Elite type space trading game!
PG075 SEVEN TILES Superb futuristic speedball type game, Great!
PG078 SCUM HATERS Shoot em up done by Brazee Atkins in SEUCK
PG079 SEALANCE A submarine strategy game seems very involved
PG080 SERENE SHOOT UP Another good quality shoot em up
PG081 SERENE II Follow up to the above game
PG082 SIMPSONS Game Vertically scrolling shoot em up done in SEUCK!
PG085 STARFLEET Nice little game done in SEUCK!
PG086 STAR TREK The US version by Jim Barber, very good (2)
PG088 STAR TREK NEXT GENERATION Strategy game runs in Hires 1mg
PG089 STAR TREK THE SHOOT EM UP Yes a SEUCK version of game
PG090 SUBCULTURE Playable 1st level of a good shoot em up!
PG092 SWIT DEMO Superb demo of an excellent shoot em up!
PG093 TENNIS A good shareware tennis game, 1mg
PG094 TRAIN CONSTRUCTION KIT make your own track layouts!
PG095 TRAK TRIVIA For you Star Trek freaks, loads of questions!
PG096 TURRICAN 2 PREVIEW Great demo of superb shoot em up!
PG100 THE JAR Very nice little jump & run game
PG101 THE INSIDERS CLUB Stocks & shares game, see how far you get
PG102 WATERMINES Nice boulderdash type game!
PG103 WET BEAVER GAMES Version of the old pong game!
PG104 WONDERSOFT GAMES Golf, Comp, Missile, Trillion, Windmill etc!
PG105 WIZZY QUEST A very good arcade adventure game from Germany
PG106 YELP Nice little painter type game!
PG107 ZEUS A very good & popular block puzzle game
PG108 ASI 14 New Pack, China Challenge II & Amiga Columns!
PG109 TOMCAT Nice vertical scrolling shoot em up!
PG110 SUPER SKODA CHALLENGE Nice new car race game!
PG111 MIDNIGHT THIEF A nice text adventure game!
PG112 ULTIMATE CARD GAMES: Cribbage, Hearts, Bluemoon, Patience & Solitaire!
PG113 WASTELANDS Superb 3d vector game, you must get this, brilliant!
PG114 CHINA SHOP Great bull in china shop game, smash everything in sight!
PG115 NEXT GENERATION TRIVIA A disk game with loads of questions! (5)
PG120 MISSION X Shoot em up game, Very good graphics
PG121 ASOON - GAMES PACK 21 games to run on the A500
PG123 LEMMINGGOLDS Great game, blast the Asteroids (lemmingoids?)
PG124 TOTAL WAR Great new "Risk" type game, ok on Plus!
PG125 CARD SHARP 1st card game, Klondike, Hearts, Demon, Castle etc!
PG126 SKYFLYER Superb WWI shoot em up, great graphics!
PG127 ARMANIA Super platform game from Adware - chance to win prizes!
PG128 CHEAT WORKS Tremendous amount of cheats on this disk, very good!
PG129 PUGGLES Brilliant Q*bert style game! Get it! While you can!

EDUCATIONAL

PE0015 EDUCATION SET Science, Geography & more. Superb! (11+)(5)
PE006 KIDSPAT Super talking colouring book for the very young!
PE0078 LEARN & PLAY 2 disks of educational programs, under 10s
PE009 STORLYND 2 Brilliant kids game, save toyland from the witch!
PE010 TOTAL CONCEPTS ASTROMONY Lab interactive book on a disk. Get it!
PE011 TOTAL CONCEPTS DINOSAURS Learn about the dinosaurs, fantastic!
PE012 MEN MEN STORIES Excellent program for children learning to read
PE013 SIMON & SPACE MATHS Talking maths program for kids
PE014 SPANISH, FRENCH, GERMAN TUTOR Translates all languages
PE015 TREASURE SEARCH Help the pirate find that treasure!
For more excellent educational software see the Deja Vu listing

BUSINESS SOFTWARE

PB001 AMICASH Brand new bank management program, very easy to use
PB002 ANALYTICAL Now unpacked and ready to use! (2 disk version)
PB004 ASI LABEL PRINTERS All the best label printing programs on 1 disk
PB005 BANKIN A complete cheque book analysis program. Keep tabs on cash

PB006 BUSINESS CARD MAKER Make your own with this useful utility
PB007 CLERK Another program similar to Journal, manages your bank account
PB008 DTP PUBLISHER From Germany, English translation now available
PB009 FLYBASE DATABASE A simple to use database for the beginner
PB010 JOURNAL A nice program designed to keep track on your finances
PB011 MISCELLANEOUS BUSINESS PROGRAMS Greeting, Grocery list, Calc
PB012 QBASE Database program, simple to use with full search facility
PB013 QED A nice easy to use text editor program 1 Load, save, print
PB014 RIM DATABASE Very comprehensive relational database system
PB015 TEXTPLUS V3.00 One of the best word processors, inc. AmigaSpell
PB016 UEDIT LATEST RELEASE! Word processing software program
PB017 VISICALC SPREADSHEET Simple to use spreadsheet program based
PB018 WORDWRITE WORDPROCESSOR Comprehensive word processor
PB019 800 BUSINESS LETTERS contracts, letters, allsorts included
PB020 HAPPY ENGINE 3.0 New version! Superb quality code. Get it!
PB021 AMBASE PROFESSIONAL Now PD!! Powerful easy to use Database
PB022 DBASE II A fast & easy to use database program
PB023 FORMS REALLY UNLIMITED Excellent form generation program

UTILITIES & SERIOUS

PU002 A-GENE Good genealogy program, to trace your family name, 1mg
PU003 ASH 68000 Assembler program for the Amiga, rather difficult to use
PU004 A64 EMULATOR NEW VERSION 2.0 of the C-64 emulator BRILLIANT!!!!
PU005 AMATEUR RADIO 1 Some programs of interest to the radio ham!
PU006 ANIMATED POINTER PACK Disk full of animated pointers!
PU010 ARP 1.3 Amigados replacement program, contains new libraries & more!
PU012 ASI GRAFFX UTILS Great disk full of graphics converters etc
PU013 ASI BOUT UTILITIES Loads of bootbook utilities on here
PU014 BIRTHDAY, STARCHART Check your Birthdays & Examine the night
PU017 200 C MANUAL 1/4 New and better! Version 2 now comes on 4 disks!
PU021 C-LIGHT RAY TRACER A commercial ray tracing package. Now PD!!!!
PU022 CHEMESTHETICS Chemistry program for molecule display etc
PU023 CHET SOLUACE UTILS 26 utilities on this disk
PU025 32 CLIPART 3 disks crammed full of some of the best clipart around
PU036 CURSER BASIC COMPILER Just what you need to speed up basic prog
PU037 D-COPY One of the best PD copy utilities available, easy to use
PU038 DARTSTAR UTILITIES 3 A disk full of assorted useful utilities
PU039 DBW Good PD drawing program inc some pictures! CU knowledge
PU040 DEMOLISHER UTILITIES 188 easy to use utilities something for everyone
PU041 43 DESKBENCH Nice alternative workbench, icons, bases (3)
PU049 DIRECT ACTION A useful utility for editing animation sequences
PU046 DISKMASTER 3.0 CU Utility program, copy files, delete, format disks
PU047 DOPE INTROMAKER Make your own intros with this utility
PU048 DYNAMITE FONT II Another popular disk. Stacks of IFF fontscreens
PU049 DYNAMITE FONTS Excellent fonts disk for use in Dpaint etc
PU071 720 C MANUAL 1/4 New and better! Version 2 now comes on 4 disks!
PU056 EXILE FONTS More of these superb fontscreens. For use with DPaint
PU058 FONTS AND RAM MANAGER Lots of fonts plus a software ram switch!
PU059 FONTS & SURFACES Lots of useful fonts brushes etc for use in Dpaint
PU061 GENESIS DEMO Superb fractal generator, really good!
PU062 GRAPHICS UTILITIES Load of useful graphically oriented programs
PU063 HAMLAB Convert VGA PC pictures to Amiga home mode with this utility
PU064 HARDWARE UTILS Some good utilities for hard drive owners
PU065 ICONMANIA Loads of programs for icon creation & many icons!
PU066 IONIS This disk is just crammed with useful & varied icons
PU067 IMPLORDER V4.0 Very good crunching program, very efficient!
PU068 INTERFERON PRO Create protection bootbooks against viruses
PU069 JAZZBENCH A great alternative workbench much preferred by many!
PU071 JR COMH 1.02 Latest version of another superb comms package!
PU072 KEPPERS METALION UTILITIES Great util full of fonts & more!
PU073 KING JAMES BIBLE Old testament & New testament & text reader (4)
PU077 LANGUAGES Disk All you ever needed! 1/4th, Modula 2, X-Link, Logo
PU078 MAC-CAD Computer aided design package uses 3D wireframe models
PU079 MACVIEW, DRAW, ROTATE Collection of three unusal programs, Good!
PU080 MESSY-SID Easy to use PC - Amiga file transfer program, Brilliant
PU082 MOED A very useful program for editing scripts and bobs!
PU083 MORSE PROGRAMS Disk full of Morse code programs for radio hams
PU084 MYSTIC HARDWARE MODS Documents disk for hardware modifications
PU087 NORTH C 1.2 (2) A 2 disk updated version of above program, 1+
PU088 NORTH C 1.3 (Packaged) The complete C compiler by Steve Hawtin!
PU089 PASCAL COMPILER Now becoming a popular language, now PD
PU090 PC EMULATOR Software PC emulator needs MS DOS to run! CGA graphs
PU091 PENNILE MEGALUTILITIES 1 An essential collection of over 200!
PU092 PENNILE UTILITIES 5 Another great compact by the Red Devil
PU093 PENNILE UTILITIES 6 Includes copies and more utilities
PU094 PENNILE UTILITIES 7 A very good utility collection. Try it!
PU095 PRINTER DRIVER GENERATOR Design your own printer driver with this
PU096 PRINTER DRIVER UTILITIES Various non-standard printer drivers
PU097 PRINT STUDIO V1.25 Great utility for accurate printout of pics, text
PU101 QUICKBENCH Another alternative workbench system, very clever this!
PU102 RAZOR 1911 Graphics rippers, Virus killers, Diskkals, powerpacker
PU108 ROT A simple 3D drawing package for your Amiga. Very popular
PU109 SCOPE 114 Structured clipart for desktop publishing etc! Page etc!
PU110 SCOPE 115 Structured clipart for use in Professional programs, 1+
PU111 SUI V1.6 Newest version of the easy to use CU utility, Essential!
PU1123 SOMETHING FOR NOTHING 2 disk set full of video utils, fonts etc (2)
PU114 SOZOBAN C Another very popular C environment, similar to North C
PU115 ST EMULATOR Run Atari ST software on your Amiga. Needs 2 drives
PU116 SUPER C DISK As near to a hard drive as mere mortals get!
PU117 SUPERKILLERS Kills 190 viruses, this is ESSENTIAL to your collection!
PU118 SUPER WORKBENCH Yet another alternative workbench disk!
PU121 212 GRAPHICS Superb Paint backdrop and some great programs, 1+
PU124 ULTIMATE ICON DISK Contains iconsmaster, iconlib, iconmaster & icons
PU125 ULTIMATE V3 A nice paint package for IFF pictures!
PU126 UTILITIES COLLECTION Another great collection of utilities about 100!
PU127 UTILITIES DISK 1 Another one for the collection. About 60 or more
PU128 VECTOR DESIGNER A very comprehensive but difficult to use proggy
PU129 3D VIDEO APPLICATIONS (2) Programs for use with genlocks & videos!
PU130 3D WINDOWWORKER A Windows 3 Workbench? Looks nice, very nice (2)
PU131 WORKBENCH HACKS Disk full of amusing workbench hacks!
PU132 XZ SPECTRUM EMULATOR Latest version now with sound too!
PU133 LAST HOPE Priceless when you've just erased a valuable file!
PU139 GRAPHICS CONVERTERS Convert graphics, format PC disks etc!
PU140 LITTLEBENCH At last a file copier etc for A500 (Doo 2 ONLY)!
PU1412 TART II Learn about your stars with this program, on 2 disks!
PU143 OPTUTILS 1 Disk crammed with superb utilities!
PU144 OPTUTILS 2 A second disk full of utilities!
PU145 OPTICOMMS 1 Contains Neom 1.921, Lharca, Zoo Arc etc with docs!
PU147 BEATRICE POTTER Clipart converted from the PC. Lovely!
PU149 ELECTRONIC PROTOTYPEN Demo version of a "Veroboard" designer!
PU150 FOOTBALL LEAGUE EDITOR Update league positions of your fav team!
PU151 BROTHERHOOD UTILS 1 Dcopy, Boot menu, Scenery, GED (DOS2 ONLY)
PU1526 CLIPART SET: A 15 disk set of all the best available in one set!
PU167 MULTI-PLOT Excellent data plotting program! Latest Version
PU168 RAY-DANCE Brilliant preview of an incredible fractal ray tracer

ANIMATIONS

PA001 AEGIS ANIMATIONS 3 anims, Juggler, Plane & Martyr
PA002 AGATRON ANIMS 5 great short looped animations!
PA003 ANARCHY ANIMATION Great anim of an abacus (applesoft?)
PA004 BAD BIRD ANIMATION Not too bad but this is a very good one!
PA005 BASKETBALL A basketball player shooting a ball into the net. 1M
PA006 BONGO ANIMATION Animation of a man playing the bongo drums
PA007 BEE CUTE Animation of a freaky bee, almost looks wooden. 1M
PA008 CLOTHES PEG Bouncing clothes pegs and more. Not bad. 1M

PA009 COOL COUGAR A cartoon style anim, tells the story of cool Cougar. 1M
PA010 CX1 SPACESHIP A cool sci-fi anim of a ship circling a globe
PA011 DART ANIMATION Good animation of a dart passing through an egg!
PA012 DRAGONS LAIR TIME WARP Animation of the cartoon game. 1M
PA013 ERIC-5 BATMAN VS WALKER Cute & sexy? squirrel chasing Walker. 1.5M
PA014 ERIC-5 BATMAN A great animation featuring batman and the joker. 1M
PA015 ERIC-5 COTOTE 2 This one's a corker, coyote up to this tricks 1M
PA016 ERIC-5 COYOTE STRIKES BACK Not too good this time but popular 1mg
PA017 ERIC-5 MOORE AEROTROONS More humorous cartoon capers. Great 1M
PA018 ERIC-5 SHUTTLECOCK Two Space Shuttles playing with a satellite
PA019 ERIC-5 STEALTHY II The Mig-29 and Stealthy bomber cartoon. 1M
PA020 FRANKLYN THE FLY Great anim of a fly in the life of a housefly!
PA021 GHOSTBUSTER ANIMATION Anim on the popular ghostbusters theme
PA022 GYMNAST ANIMATION Animation of a gymnast swinging on bars. 1M
PA023 HAPPY ANIMATIONS HappyHam, Treefrog, Windowman and Hammer
PA024 HIGHLANDER SWORD ANIMATION Anim of a Scotsman dancing
PA025 LAUREL AND HARDY Brazel Atkins, select your film from the videos. 1M
PA026 LIGHT CYCLES (2) Huge animation from the Tron film. Fab. 1mg!
PA027 LUXO TEENAGER Fether & son lamp animation, excellent 1M
PA028 MAGICIAN II this one's a bit better, more glossier this time round. 1M
PA029 MAGICIAN Similar to the juggler anim, but not quite as glossy 1M
PA030 MINER A miner truck loading coals into a buggy to be taken away. 1M
PA031 MR. POTATO HEAD Watch the potato man in cabaret!
PA032 NEWTONS CRADLE ray traced animation, plus F-19 and Rocking chair
PA033 PHAROAH ANIMATION An animation of a Pharaoh king mask
PA034 PIANO ANIMATION This is an animation of a cartoon piano!
PA035 PROBE SEQUENCE Probe investigation of forms on distant planet 1M
PA036 REAL 3D (4) Superb demo of effects possible with Real 3D. 1mg!
PA037 REAL THING HORSES demo of the animation package for deluxe paint
PA038 SHUTTLECOCK ANIMATION 2 shuttles playing with a satellite!
PA039 THE BOMBS Great anim of 2 Zedeebe characters on springs! 1.5M ON
PA040 THE JUGGLER The old classic animation that sold 1000s of Amiga's!
PA041 THE KNIGHT DEMO Animation of a knight climbing out of a book. 1M
PA042 THE WALKER DEMO Helicopter attacking the walker. Film style. 1M
PA043 THE WALKER DEMO II Walker attacking the A2000. Not bad. 1M
PA044 UGLY MUG ANIMATION The ugly mug goes for a spin!
PA045 UNICYCLE ANIMATION Excellent animation of a unicycle & a car!
PA046 WINGS Superb quality red baron bplane animation. Very nice. 1M
PA047 THE BUST ANIMATION Animation of a golden bust rotating!
PA048 THE POTATO HEAD 3 Another great Chris Hill animation disk
PA049 LEMMINGS ANIMATION Great lemmings animation. Check it out. 1M
PA050 BUSTER DOUGLAS Digi anim of Busters not so famous moments!

AGATRON ANIMS

AG001 RED LOTUS Spinning down the road. Fantastic!!
AG002 JET FIGHTER landing on a runway, basic anim
AG003 STAR TREK - Shuttle fly past - Great! 1m
AG004 KLINGON CRUISER Flying around your amiga screen!
AG005 STAR TREK KLINGON lines torpedoes 1m
AG006 LOGO, plus a great star wars fly by animation. 1Meg
AG007 STAR WARS FIGHTER doing loops etc 1m
AG008 STAR WARS, a great anim from the movie (ILL Showman)
AG009 STAR WARS - Fighter fly by, impressive 1m
AG010 STAR TREK - Enterprise in dry dock. Incredible! 1M
AG011 TRON - Tank & Desactivator. Good vectors
AG012 TRON ANIMATION - Not one of the best
AG013 ROBO 1 A nice ray traced robot waving hand. 1m
AG014 STAR TREK Workbee & Reliant. 3 shots
AG015 LOTUS CAR, Billiards, & Jet Fighter animations!
AG016 STAR TREK various anims from the star trek game. Good.
AG017 STAR TREK - Enterprise fly by, Short anim
AG018 STAR TREK - Enterprise fly by, Short anim
AG019 BOND ANIM - Copier plus a car, not too amazing!
AG020 HUEY 2 A helicopter leaving a landing pad. Neat. 1m
AG021 ENTERPRISE DOCKING WITH SPACE STATION - WICKED!!! 1M
AG022 ENTERPRISE APPROACHING Another stunning anim! 1M
AG023 FLEET MANOEUVRE Stunning animation, shows off your amiga 1m
AG024 KULI PEN ANIMATION A Ping pong. Great! 1m
AG025 THE RUN, a superb car chase 1mg or over. 1m
AG026 SHIP ROCKING at sea, enterprise leaves dock. 1m
AG027 BOOK OPENING Nice anim of a book opening. 1Mg
AG028 SHUTTLE & ENTERPRISE Fabulous animation by Richter. 1M
AG029 MILLERUM FALCON The ship being chased - Excellent! 1M
AG030 HYPERSPACE animation & Landing animation 1m
AG031 PERSPECTIVE anim of a rising out of a table 1mg
AG032 SPACE - Space probe flying away 1m
AG033 PROBE anim of a probe flying away from Klingonhill! 1m
AG034 SPACE OFFICE - Star trek anim, a little bit short
AG035 SPACE PROBE, great anim of a probe zooming off 1m
AG036 BIRD OF PREY, loop the loop, excellent animation 1m
AG037 TOBIAS GOES KNACKERS - Check this one out! 1m
AG038 TOTALLY WICKED!! Shuttle & Enterprise (2 MEG - BUY ONE!)

POWER ANIMS

PP001 2 ANTI LEMMINGS (2) Absolutely brilliant animation! Get this now 12M
PP003 AT THE MOVIES Cute anim from Mr Schwartz featuring Amy squirrel 1.5
PP004 AUTOMATED LIGHT (4) Fab ballster galactica type animation. 3M
PP008 10 BUZZED (3) Great animation of a wasp crashing into things. 3M
PP011 12 DATING GAME (2) Superb new demo from Eric Schwartz. Get it. 3.5mg!
PP013 13 DRAGONS LAIR (3) Three mag power demo with sound effects. Great!
PP016 GULF WAR ANIM Find out what happens to Hussein! Brilliant 2mg!
PP017 JUGGLER II Juggler meets Ms Juggler. Great followup! 1.5mg
PP018 26 LOST IN SPACE (3) Remember the old TV series? This is it! 2M
PP021 24 LANDING (4) Tobias Richter Poweranim! Superb ray traced stuff. 2M
PP025 27 STATION AT KHARIN (3) Animation of a space station, nicely done. 2M
PP028 33 UPGRADE (6) Wow! Camberwick Green meets the Amiga! GREAT! 15
PP034 35 YULE KILLERS (2) An old but quite good 2mg demo. 2mg
PP036 37 WALKER DEMO (2) The disk 3mg version of this classic demo.
PP038 39 WAVE SAILING (2) A nice animation of a wave sailer! 1.5mg
PP040 41 AT THE MOVIES II Brilliant, works on 1mg-2mg configurations! (2+)

DEMOS

PD001 AEGIS DEMO Brilliant graphics in this game demo, show it to ST owners
PD002 ALARM MEGADEMO Nice new demo with a good acid type video part
PD005 AMOS 3D DEMO Shows you some effects that are possible with 3d!
PD007 ANARCHY INSPIRATION IS NONE DEMO with superb ray trace GFX
PD008 ANARCHY MADNESS II Bobs and Filled Vectors, superb music!
PD009 ANARCHY SYSTEM VIOLATION Classy demo, vector Bob Gfx Cool!
PD010 ANARCHY DIGITAL INNOVATION Their latest and best, superb!
PD011 ANIMATORS MEGADEMO A nice new megademo from the Animators
PD012 BUBBLER A hilarious megademo, house music video & more
PD016 CHAOS ROCK A fantastic light show based on fractal patterns
PD020 CRONICS MEGADEMO Includes the superb madonna demo and more!
PD021 CRONICS NEVERWHERE Superb! with a Real world demo & Madonna
PD022 CRONICS TOTAL DESTRUCTION Very nice palace plus kickin music!
PD023 25 ALCAZAR MEGADEMO Excellent, huge demo on 3 disks! (3)
PD026 CRUSADERS SPACE DELIRIA Fantastic music by Dr. Awesome!
PD027 CRYPTOBURNERS THRIFT FOR RED OCTOBER Lovely filled vector demo
PD030 DANCE DANCE THRASH Amazing thrash metal soundtrack & weird pics!
PD032 DEVILS LAB YAKTH Great new demo with some 3d effects, RGBs, pems
PD033 DEVILS NO REALITY Another great multi-part demo from Devils!
PD036 E-P-4 Incredible preview to a new game by Ocean, vectors. 1M
PD037 38 ERPLAND (2) Brill kalidescope patterns on this great demo!

BLITTERCHIPS
UPD/F4, CLIFFE HOUSE,
PRIMROSE ST, KEIGHLEY, BD21 4NN
0536 667 469

PD • 1-19 DISKS £1.25 EACH • 20+ DISKS 99p EACH
DEJA VU LICENSEWARE £3.50
UK - PLEASE ADD 50P P&P
EC +25P PER DISK • NON EC +50P PER DISK
Most orders dispatched same day!

ORDER BY POST: Send your order details together
with cheque/PO to any of the four UPD Distributors.
ORDER BY PHONE: Just pick up the phone and order
your goods by credit card. Most major cards
accepted.



PD039 FILLET THE FISH Similar to puggs, but not quite as good. +
PD041 FRACTION FUTURE VISIONS Superb Alien-type intro plus pictures +
PD044 HORIZON SLEEPING BAG Great multi-part demo with vectors, music.
PD046 IRAD DEMO Amusing demo of Saddam meeting President Bush !!!
PD049/50 KEFFRENS MEGADEMO VIII Loads of filled vectors and music. (2) +
PD051/52 KGB MEGADEMO (2) A great house music video & vector drummer
PD053/54 LAUREL & HARDY Good demo sings 'The lonesome pine' song (2) +
PD055 MAGNETIC FIELDS HYSTERESIS Excellent vector graphics!
PD056/57 MAGNETIC FIELDS SPACED OUT (2) demo with great music tracks
PD058/59 MAXIMUM OVERRIDE (2) Very nice filled vector demo by TSB.
PD061/62 MONTY PYTHON (2) Brilliant demo featuring lumberjack song +!
PD063 MONTY PYTHON NUDGE NUDGE Another amusing sketch (2) +
PD064 NEWTEK DEMO 3 excellent demo take your machine to the limit!! (2) +
PD066 NOT THE NINE O'CLOCK NEWS Amusing sketches on these disks (2) +
PD068 PHENOMENA ECES A very good demo with light sourced vectors +!
PD067 PHENOMENA INTERSPACE is time linear? Get this to find out!
PD068 PHENOMENA ENIGMA Absolutely brilliant, one of the greatest +
PD069 PHENOMENA JOYRIDE Another absolute corker of a demo!
PD070/71 PINK FLOYD THE WALL (6) Yeah! A huge demo based on film!
PD072 PLASMAUTEX Kickin' Soul/Soul music beats & wild copper plasma!
PD077 PMC ALPHA OMEGA An absolutely superb filled vector demo. +
PD078 PUGGS IN SPACE A classic demo, the kids will love it.
PD079 PRISONER DEMO Remember the old 60s series? Here's the demo! +
PD080 PULLING THE TRIGGER Well laid out set of demos. +
PD085 REBELS MEGADEMO II An old classic blast from the past! +
PD086 REBELS COMA This one is a classic! The best Acid video on Amiga
PD087 REBELS SNAP A nice demo with spooky style music track. Great
PD088 REBELS TRIPLE TROUBLE Some brilliant plasma effects here! +
PD090/91 RED SECTOR MEGADEMO (2) Still stood the test of time, good +
PD093 SCOPEX CHROMIUM Superb demo with great graphics and music. +
PD094 SCOPEX MENTAL HANGOVER One of the best demos of all time. +
PD095 SHADOW OF THE BEAST DEMO Superb demo of a classic game! +
PD097 SILENTS GLOBAL TRASH This is a MUST for all demo freaks +
PD098 SILENTS ICE Latest demo from the Silents, brilliant music. +
PD100 SIMPSONS BY DECAT With superb animation and a great music beat
PD101 SIMPSONS EQUINOX Remix of the song & pics of our fave Bart!
PD103/4 ST PEPPERS LONELY HEARTS 60s style demo from Brazzle(2) +
PD105 TECHNOFLIGHT MEGADEMO Not a bad little megame. +
PD106 TECHNOFLIGHT A spooky demo with good music & effects!
PD108 TOMSOFT TRIP TO MARS Very good 3D filled vector trip to mars
PD109 TOMSOFT VIRTUAL WORLDS An absolute Epic! Best demo of the year
PD111 UNREAL DEMO Superb graphics & sound in this great demo. +
PD113 VANGUISH DEMO Great music & superb colour cycling gfx. 1mg. +
PD114 VECTRA SINKING DEMO Really good filled vector demo.
PD115 WITH VECTORS TO HEAVEN New demo just in, check it out!
PD117 WRATH OF THE DEMON DEMO Another to show off the machines gfx +
PD118 REBELS OUTLAND Latest demo from a prolific outfit! Excellent
PD120 KEFFRENS GUARDIAN DRAGON A very nice new demo from Keffrens!
PD121 IVANA TECHNO FRIGHT Vectors in front of Ham pics? Good!
PD122 AC/DC MONEY TALKS Amusing animated cartoon of Angus & Co!
PD123 ITALIAN BAD BOYS MANGAD Japanese style cartoons & techno music!
PD124 ANDROMEDA DECAYING PARADISE Very good vector demo & music!
PD125 RAY OF HOPE 2 Great megame, good music & graphics!
PD126 LEROY I Great kick in, Substance, Shining vector, & more!
PD127 BASS SUBLIMINAL VISION Very heavy rave music & graphics!
PD128 DIVINE INSPIRATION New music disk by Goldfire. Very good.
PD129 RAZOR 1911 VOYAGE Another great party winner demo Super effects!
PD130/34 ALCATRAZ ODESSY Awesome 5 disk space extravaganza! Brill! (5)
PD135/36 CHRONICS HARDWIRED Fab space anim with superb effects & music!
PD137 ANGEVOLUTION DEMO Great psychedelic vectors & more!
PD138 ANARCHY SINKING IS SLIPPERY Great music disk with excellent music!
PD139 TRACKERS PING PONG & AGONY DEMO Some unusual vector effects!
PD140 CELSIUS 23 MORE VECTORS A Terminator intro + hundreds of vectors! +

MUSIC DISKS

PM001 100 GREATEST 64 TUNES Over 100 classic 64 tunes immortalised! +
PM004 ALCATRAZ THE POWER Excellent re-mix of the song by Snap. +
PM005 ALCATRAZ THE POWER Excellent re-mix of the song by Snap. +
PM007/8/9 AMAZING TUNES II (3) This ones a biggy loads of great music!
PM010 AMEGA PARTY WINNERS FOUR EXCELLENT songs that won the party +
PM011 QUEEN - THE INVISIBLE MAN Also includes a remix of ride on time
PM012 AMGADEUS CLASSICAL Superb renditions of Elms Kleiner etc. +
PM013 ANARCHY CAPTURED IMAGINATION Excellent music by 4-Mat +
PM014 BANGING RAVES Yeah! Pump up the music, kickin' remix of house
PM015 BEAST SONIX Scoopex present the music from Beast! All tunes. +
PM016 BEATLES SONIX Lots of Beatles music done in a digital style. +
PM017 BEATMASTER 808 STATE Cubik and more of this type of music
PM018 BEATMASTER LOVE TECHNOLOGY More of the rave type music. +
PM019 BRUNO'S MUSICBOX II This is great Jazz-Funk music! +
PM020/21 BRUNO'S MUSICBOX III More jazzfunk style music. Get it! +
PM022/23 CLASSICAL MUSIC Great music of Bach, Handel etc from Rob Baxter. +
PM026 DEPECHE MODE Music Nice soundtracked remix of their music!
PM027 D-MOB MUSIC 3 A Great quality music re-mix. Really good! +
PM028 DIGITAL CONCERT 1 Another music re-mix. Doctor in the house
PM031 DIGITAL CONCERT 3 Another house music re-mix Great quality. Love it
PM032 DIGITAL CONCERT 4 Four songs including Got to keep on - Brilliant!
PM033 DIGITAL CONCERT 5 The Power, Kaos, Keep Bustin' Touch Me. Brill!
PM034 DIGITAL CONCERT 6 Latest in the series, very good quality house music
PM035/36 DIGITAL DEBUSSY Excellent! Clair de lune & more tracks +
PM037/39 DO THE BARTMAN (3) The Chart topping song sampled on 3 disks! +
PM041 EQUIVAMANIA II Demo with a great dance music track and fab equalizers!
PM042/43 EMI FORCES Grand new mega acidhouse demo (swearing)!! (2) +
PM044/45 HELLLOWEN DEMO Great screaming rock guitar demo! (2 disks)
PM046 GENESIS LAND OF CONFUSION A sample of the well known track.
PM047/48 GOLDFIRE CEREBRAL DELIGHTS (2) Excellent music disk. +
PM050 JARRE DOCKLANDS The keyboard wizard, sampled on your amiga. +
PM052 KEFFRENS JUKEBOX This one super! Lovely music with a Juke box! +
PM053 LSD DONT PANIC Superb new music disk, excellent quality music.
PM056 MAGNETIC FIELDS CHIP FESTIVAL Crammed full of great chip music!
PM059 MANIACS OF NOISE This is brilliant! Great stieve wonder type music!
PM060 MIAMI VOICE REMIX A great music disk with a digital pic!
PM061 NEWTONS MUSIC BOX Headbanger demo! Beats in time to music!
PM065 PHENOMENA MUSIC DREAMS 120 wicked songs by twins +
PM066 PHENOMENA MUSIC DREAMS II Second in the series More music!
PM067 POPEYE MEETS THE BEACHBOYS Great demo very funny!
PM068 RAZOR FACE ANOTHER DAY This is an incredible music track!!
PM070 RHAPSODY IN BLUE Great conversion of Garshwin by Rob Baxter! 1M
PM071/72 SILENTS BLUE HOUSE (2) Tangerine Dream style music & game!
PM073 SILENTS FULL POWER House it up music. Inc. Remix of tricky disco. +
PM074 SOUND OF SILENTS This is a must! A Great atmospheric music!
PM076 TECHNOTRONIX REMIXES Pump Up the Jam and Get Up!
PM079 TECHNOTRONIX REMIX The songs remixed into one great track!
PM080 THE SOUNDS OF GNOME Mahoney and Kaktus music. 46 great tunes.
PM082/82b VIVALDI - FOUR SEASONS (2) Superb 4 Seasons by Rob Baxter!
PM087/88 HIS MASTERS VOICE Even better than the sounds of gnome! (2)
PM089 THE SHAMEN MOVE ANY MOUNTAIN Another great 2 disk set!! (2)
PM090/91 MOZART HORN CONCERTO'S 4 superb concertos to H.Garnon +
PM092 PIANO TUNES 3 Great Protrackered tracks from Andy Chilton!
PM093 UTAH SAINTS REMIX What can you do for me remixed by Tony Hilton!
PM094 GUNS N' ROSES Superb music demo by the rock band.
PM095 HARDWARE III Brilliant techno dance tracks.
PM096 LED ZEPPLIN Rendition of Stairway to heaven. Great!
PM097 GRAPVINE MEGAMIX Really nice music disk. Worth listening to.
PM098 ERASURE MIX Remix of erasures top songs.
PM100/103 MANIC RAVES II Fantastic 4 disk music set with Simpsons anim! +
PM104 500 THINGS COMEBACK 4 great rave type tracks, very well done!
PM105/6 KEFFRENS MEGAMIX (2) Fabulous dance music, Amazing quality!

PM107/8 PIC MEGA MUSIC VOL 1 A large selection of popular tunes, good!! (2) +
PM108/10 PIC MEGA MUSIC VOL 2 A huge selection of good tunes!! (2) +
PM110/11 PIC MEGA MUSIC VOL 3 And yet another great selection!! (2) +
TECHOMANIA II Eight essential hardcore tunes for the ravers out there +

SLIDESHOWS

PS001 ADDAMS FAMILY The Addams family started when Uncle Fester +
PS002 ADVANCE HAM A collection of brilliant digitised pictures with music +
PS003 AGATRON 5 Some superb HAM pictures, created by Tobias Richter. +
PS004 AGATRON 6 Incredible 4096 colour ray traced S/S. Get this one! +
PS005 AGATRON 8 Excellent HAM pictures, with some good music too. Mega!
PS006 AGATRON 9 More of Richters superb works, again based on Star Trek. +
PS007 AGATRON 12 Some more great pictures on this new disk. +
PS008 AIRCRAFT SLIDE Lots of pictures of fighter aircraft. +
PS009 ASTRONOMY SLIDE Nice pics of constellations, galaxies nebulae etc! +
PS011/12 BORIS YAJELIQ (2) Pictures digitised from works by the Artist. +
PS013 BORN TO BE FREE Picture of wild animals this time. Very good quality. +
PS014/15 BUTTERFLIES (2) High quality slideshow of butterflies, by WS. +
PS016 C64 ART Lots of picture screens from the good old Commodore 64.
PS017 CHAINSAW SLIPPERS This one is Great, the pictures are naff but Mad!
PS019 COLOURCYCLES A slide of colour cycled pictures. Very impressive. +
PS020 CREEP SHOW Iron maiden type pics, Eddie and more. Not music too. +
PS021 DARKLORD S/S Lots of pictures in the Darklords style
PS023 DEMONS II A quality S/S from C-Dryk of Demons, with music
PS024 DESERT ISLAND S/S Lots of nice pictures on this disk. +
PS025/26 DIVINE VISIONS (2) A S/S of Mythological gods with music +
PS027 DR WHO S/S Pieces of Dr Who and the infamous Daleks! +
PS028 FENN TASTIC VOL 1 Picture show of Twin peaks star Sherry Fenn. +
PS029 FORBIDDEN PLANET Nice slide with story text of cult 50s Sci fi (2) +
PS030 FRACTION FUTURE VISION Great fantasy S/S, fab for lo res. +
PS031 GATFIELD Digitised S/S of the cartoon hero by Jim Davis. +
PS032 GENOCIDE Great fantasy slide with unusual ideas & wipes & soundtrack.
PS033 GERMAN RAY TRACE High quality ray traced pics by a german artist. +
PS034 GURSEL SLIDE Ernie fantasy slide from Germany, unusual. +
PS035 HARRY ENFIELD S/S A S/S of Harry Enfield & Smith & Jones.
PS036/37/38 HEROIC DREAMS S/S 1 - 3 Digitised fantasy art. Excellent! +
PS039 INVISIBLE WORLD Not one for people scared of creepy crawlies! +
PS040 IRON MAIDEN S/S Digitised pics of Iron maiden & more!
PS041/42 JIMI HENDRIX S/S Great picshow of the 60s rock legend! (2) +
PS043/44 JOE S/S Some Excellent examples of graphics on the amiga
PS045 KELLY S/S Some excellent quality HAM pictures. +
PS046 KIM WILDE S/S Lots of pics but mainly in black & white. +
PS047/48 MADONNA S/S Lots of pictures but needs 1 mg & 2 drives (2)
PS049/50 MADONNA DICK TRACY SLIDE Quite nice S/S. (2)
PS052 NAGEL PICTURES Hires pictures of girls, very arty. +
PS053 NAPALM DEATH SLIDE This one is for over the top moshers only! +
PS054/55 NASA SLIDES 1&2 Picture of the space shuttle, earth & more
PS056 NEWTEK DYNAMIC HAM A S/S of Newteks new 640x512 4096 colors +
PS057 NEXT PILLIUM Very nice pictures all done in Paint plus some music.
PS058 NIGHTBREED Yucky S/S from the film. Music suits the pictures! +
PS059 NIGHTMARE ON ELM STREET S/S great for all Freddy fans (2) +
PS062 NW DYNAMIC HAM More from the Nik Williams series Super quality. +
PS063 PENTAGON & DRIFTERS Very high quality Hires B/W fantasy pictures.
PS064 PHOTOMONTAGE I/S on various subjects very nicely done. +
PS065 PHOTOMONTAGE II Another great disk of various subjects. +
PS066 POP STAR PICS Pieces of Mel & Kim, Madonna, Curiosity & PSB +
PS067 ROCK PAK'S ART Digital picture pictures all done in Hi Resolution. +
PS068 ROGER DEAN RAY Traced pictures by the artist all in HAM mode. Good. +
PS069/70 RAY TRACED PICS (2) This superb, slides plus a great music track.
PS071 SPACE BUBBLES Great fantasy art pictures in interlaced ham. +
PS072 SUPER HAM CARS Superbly digitised S/S in Interlaced HAM. Mega!
PS073 SUN CONNECTION SLIDE Great ray traced pictures on this disk. +
PS075 TOTAL RECALL Music and pictures from the Arnie's Sci fi film. Great!
PS076/77 TERMINATOR II SLIDE Great slide of a great film! +
PS081 WATERSHED DOWN Cute side of those rabbits, great for the kids. +
PS082/83 WRESTLE MANIA (2) Collection of picture and animations. Good!
PS084 WWF WRESTLES Pictures of Hulk Hogan and the real 'Em. Great!
PS085 YABBADEA DOO Hey Hey Hey it's the flintstones! A Wilma, Fred ... +
PS086 SONIC DYNAMIC HIRE'S S Superb 4096 colour pics on this disk!
PS087 ALTERED DECEPTIONS Superb disk of pictures from Chris Hill! +
PS088 EVOLUTION SLIDE Pics from one celled life to humanity?? +
PS089 RAINBOW SLIDES Zippy & Bungle & the theme music!
PS090 FRACTALGEN Great fractal landscapes & star studded skies + music! +

MUSIC UTILITIES & MIDI

PT001 ALGORYTHMS Midi program for synthetic music creation.
PT002 ART OF MED Disk full of Med music scores. +
PT003 ASI AUDIO MAGIC Collection of soundtracks and ripping programs!
PT004 ASI AUDIO MAGIC 2 Latest collection of soundtracker programs!
PT005 CASIO CZ EDITOR Super program + 250 patches for Casio CZ series. +
PT006 DELUXE MUSIC DATA Some scores need midi synths (Deluxe music). +
PT007 2 THIRTEEN minutes of music. Doctor in the house
PT008 GAMES MUSIC CREATOR A music sequencer, similar to soundtracker.
PT009 IFF SAMPLES Great samples taken from the Kawai 1 digital synth!
PT010 JAMCRACKER Four channel chip music sequencer. Handles samples!
PT013 MED 3.2 Very latest version of this superb sequencer. Great! +
PT014 MED MUSIC DISK Some nice med music on this disk +
PT015 MIDI DISK Contains lots of useful midi programs for synth owners +
PT016 NOISETRACKER Music sequencer used by the pros. Stacks of functions!
PT017 NOISETRACKER EXECUTABLE Convert modules to executables!
PT018 PERFECT SOUND SAMPLER Nice sample edit program with samples!
PT019 ROLAND D110 - S220 Converter program, convert Roland samples to IFF.
PT020 SAMPLES DISKS ST-01 TO ST-10 Various disks available ring for details!
PT021 SOUNDTRACKER 2.6 New release of this popular program, new editor
PT022 SOUNDTRACKER A superb four channel sequencer. Easy to use
PT023 SOUNDTRACKER COMPILATION Compilation of tracker type programs
PT024 ST-08 BEAST SAMPLES Lovely panfute sounds from Beast. Best!
PT025/26 ST-90/95 SAMPLES DISKS Studio quality samples. Excellent!!! +
PT027 YAMAHA DX7 VOICE FINDER Program for DX7 series synthesizers
PT030 YAMAHA DX7 VOICE SORTER For the above program.
PT031/2/3 ST-87 - 89 3 disk full of great samples!
PT034/5 ST-87 & 96 2 more great disks full of samples!
STOP PRESS >>> FISH 579 CONTAINS OCTAMED B CHANNEL SEQUENCING PROGRAM !!!

AMOS PUBLIC DOMAIN

APD062 + ARCADIA A nice version of the popular breakout game
APD076 + RAINBOW WARRIOR Paint with coppers and save them out!
APD083 + AMOS PAINT V3.7 Nice paint package in 2-64 colours.
APD085 + REVERSI + SNAKES & LADDERS 2 well known games
APD096 + PAIR IT Match the cards to make a pair, easy to play 1mb
APD103/4 + PICK UP A PUZZLE Solve jigsaw puzzles, 3 difficulty levels
APD110 + CROSSFIRE Nice game, keep the kids occupied for ages.
APD115 + BALLONACRY Good version of the classic 'Bomber' game.
APD130 + THE WOODEN BALL A shareware game 1mb
APD132 + FAMILY HISTORY DATABASE Nice genealogy program 1mb.
APD137 + TILE TRAILing tile puzzle to solve within a time limit
APD148 + DEMOLITION MISSION Another version of popular bomber game. 1mb
APD176 + DATABASE MASTER V2.0 Nice database program, needs 1mb
APD180/1 + DUNGEON DELVER Room round mazes collect keys etc. (2 disks)
APD182/3 + PIXIE KINGDOM Another good exploration game on 2 disks
APD190 + BLACKBELL Chop the blocks in this martial arts game
APD229 + AMOS MULTIPAIN Another Amos paint program!

PUBLIC DOMAIN DISKS ONLY ...



THIS OFFER ONLY APPLIES WHEN
YOU BUY 20 OR MORE DISKS!

APD230 + AMOS ASTEROIDS Four versions of the asteroids game.
APD231 + AMOK Your robot is trapped in a strange world 1mg
APD237 + SHAPES Very nice little puzzle game.
APD257 + CASSETTE LABELLER - MIXED SOURCE Make your own cassette +
APD271 + WIZARDS DOMAIN Nicely done graphical adventure game
APD284 + AMOSAGRAM Nice anagram program
APD282 + WAR OF THE FOUR A shareware graphic adventure game
APD293 + GRAND PRIX SIMULATOR Not a race game, more of a simulation.
APD314 + BLACKJACK TRAINER A nice new blackjack game!
APD318 + BOING Get Herbert back home to his village!
APD325 + HANGMAN V2 Hangman game with editor!
APD326 + HYPERBALL Latest version of woodenball, an excellent game!
APD329 + FRUIT MACHINE Quite a nice little fruit machine program!
APD330 + AMERICAN FOOTBALL RADIO VERSION You are a football coach!
APD334 + SNAKE IN THE GRASS Collect white mushrooms, avoid toadstools!
APD340 + KARATE WORM Very nice platform game, jumping over worms etc!
APD343 + SAVE THE TREES Stop the baddies destroying the trees!
APD347 + NOTEBOOK Easy to use notebook & shopping list program!
APD351 + ARCHIVIST 2.0 Demo version of a useful database program!
APD356 + POWERBASE V2.0 Demo version of a very powerful database!
APD362 + SQUAT'S REVENGE Operation wolf type game!

De Ja Vu Licenseware £3.50 Each

LPD01 + COLOURING BOOK Colour in the nursery rhyme pictures
LPD02 + ARC ANGEL MATHS An educational game to help kids with maths
LPD03 + GALLEONS Follow up to the popular dogfight II game.
LPD04 + THINGAMAJIG Superb jigsaw style game for kids, easy to use
LPD05 + JUNGLE BUNGLE Icon driven adventure game for the kids
LPD06 + FUKADA & SPIRITES Avoid all the baddies as you remove the tiles
LPD07 - FOUR WAY LYNX A 22 level puzzle to tiles to a main center tile
LPD08 + WORK & PLAY 3 really good educational games on this disk.
LPD10 + THE WORD FACTORY Great program helps the kids to spell
LPD11 + GO-GETTER A card game where you have to pass go.
LPD12 + HYPNOTIC LANDS catch balls coming down four different lanes
LPD13 + JIGMANIA A jigsaw solving puzzle & a jigsaw construction kit
LPD14 + PLAY IT SAFE For the very young, helps to teach safety at home
LPD15 + ARC ANGEL SHAPES Make pictures from a variety of shapes
LPD16 + REVERSI II New improved version of Reversi!
LPD17 + DOGFIGHT II Up to an 8 player shoot'em up game. Great!
LPD18 + TOUCHSTONES An Ishido type game played with tiles
LPD19 + X-IT-50 Shoot objects across the screen
LPD20 - WORDY A basic Amosware wordprocessor program, quite good
LPD21 - GUINGO Great quiz game in which you play Bingo
LPD22 + LC10 FONTS New fonts for your Star LC10 / LC200 printer
LPD23 + ESP Collect the letters ESP
LPD25 - THE MESSAGE A great text adventure written in Hisoft basic
LPD26 + CYAD Collect the diamonds in this puzzle game
LPD27 + FLOWER POWER grow flowers before bugs munch them away.
LPD28 - BUDDBASE Simple to use database with tutorial
LPD29 + BIG TOP FUN 4 great educational games for younger children
LPD30 + SHYMER Nursery rhyme adventure game for young or old.
LPD31 + CLI PRINTER DEMO Prints a screen dump of the screen display
LPD32 - HARD DRIVE MENU SYSTEM Has menu of over 3,800 items.
LPD33 + CREATIVE ADVENTURE TOOLKIT Produce stand alone adventures
LPD34 + INVOICE PRINTER Quick production of invoices on paper
LPD35 + T-TECDRAW Technical drawing program with print facilities
LPD36 + FRACGEN II Great fractal program generator
LPD37 + ROCKET MATHS Help children in maths with this game
LPD38 + AMOS ART Contains lots of fonts, bobs, sprites & scenery blocks
LPD39 + MAGICAL FOREST II Great sideways scrolling platform game
LPD40 + SPRITE BANK EDITOR Makes sprites really easy to use
LPD41 + RESCUE A 3D adventure game done with 3D construction set
LPD42 + STITCH Print out pics for embroidery, with documents
LPD43 + LAZERZONE Shoot the aliens in this addictive shoot'em up
LPD44 + FORMULA ONE CHALLENGE Strategy road racing game. V.Good
LPD45 + MUSIC BOX A music program for children of 7 upwards.
LPD47 + GIFTY CASH Our most popular game! Fruit machine simulator
LPD49 + MARVIN THE MARTIAN Find your girlfriend in this maze game
LPD51 + MAGICAL YOUNG ARTIST Contains 30 stencils to colour in!
LPD52 + LC24/200 FONTS Installs fonts for Star series printers!
LPD53 + SPRTX V1.32 New sprite editor, superior to original editor!
LPD55 - CTEXT V1.23 and 1.5 for programmers, use icon based fonts!
LPD57 + KIDDIES CLIPART Another nice clipart disk!
LPD58 + LOCKS KEYS & ENIGMAS Hunchback game! Brilliant, just get it!
LPD59 - THE PREHISTORIC FUN PACK Four dinosaur games for kids
LPD60 + TECHNO SNAIL Fire slime at the enemies - Great platform fun!
LPD61 + THE FINAL CHAPTER 3D graphics adventure. Very good!
LPD62 + REVOLUTION Four player game get to the top of the Screen 1st!
LPD63 + WILBERT'S WINTER WONDERLAND Excellent platform game - Get it!
LPD64 + RESCUE II Totally wicked 3D vector game - GET IT!!!!
LPD65 + POWER PLANNER Personal organiser - Keep track of your life!
LPD66 + HOTEL MANAGER Similar to monopoly - Brilliant!!!!
LPD67 + CYADONIA (CYAD II) Boulderdash clone - collect the diamonds
LPD68 + VIRUS BUSTER Very good new virus killer disk, needs 2 drives!
LPD69 + MAGICAL MIX UP Puzzle game, sort out the mixed up pictures!
LPD70 + PAINTBOX Childrens painting package to color in or draw
LPD71 + BATTLECAPS Car racing game for two players, really addictive!!!
LPD72 - MONSTER ISLAND Brilliant role playing game for kids.
LPD73 + AMOS DATABASE V3.0! Simple & easy to use with lots of functions
LPD74 + SOUR GRAPES 3D isometric game. You must get your enemy drunk!
LPD75 + VIDEO LAB Simple to use video titling package for home videos
LPD76 + T-TECMAX Excellent puzzle type game switch games on/off
LPD77 + POWERBASE 2.1 Powerful database system with a host of features.
LPD78 + SPECTRA & CHEATLISTER Logic puzzle game & a list of cheats
LPD79 + MUSIC ENGINE Play MED-STNT modules without converting them
LPD80 + ICON BANK EDITOR Manipulate icons in the same way as sprites
LPD81 + STITCH PRO Program to help you fill in your pools coupons



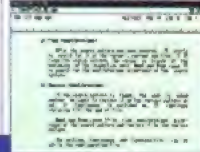
RAY OF HOPE 2 - PRETTY DECENT DEMO!



IMPLUDER 4.0 A POWERFUL CRUNCHING UTILITY



MEGABALL - ONE OF THE SUPERB PD GAMES



TEXTPLUS WORDPROCESSOR



MESSYSID II & SID THE PERFECT UTILITY!



PROTRACKER - THE BEST SEQUENCER AROUND!



BRUNOS MUSIC BOX I GREAT INTRO!



WHEEL OF FORTUNE ON LEARN & PLAY I



BART SIMPSON IN FULL EFFECT I

IMPORTANT: A500 PLUS+ OWNERS

ALL OUR LISTS & CATALOGUES NOW CONTAIN THE '+' SIGN
FOR FULL COMPATIBILITY WITH THE NEW A500 PLUS!

SO BUY WITH CONFIDENCE ... FROM UNITED PD DISTRIBUTORS!



NEW • OBLITERATION • NEW

A fast & furious Shoot'Em Up, totally
addictive, this game will have you up till
the early hours blasting away. Get this
game without a doubt! Price £3.50.

Vally PD

UPD/F4, PO BOX 15, PETERLEE,
Co. DURHAM, SR8 1NZ
091 587 1195



£1.20
per disk

Software Expressions

£1.00
per disk
for 10
or more disks

GAMES

G005 New Star Trek (2 disks; 2 drives)...excellent
G014 Adventure Solutions (2 disks)...commercial game cheats
G013 Bullrun...US civil war game
G010 Breakout...classic ball to wall game
G139 Battle of Britain...wargame
G143 Card Sharp...card games compilation
G153 Growth...shoot an expanding brain
G046 Lost Occrest...adventure game
G049 Megaball...superb breakout clone
G043/44 Learn and Play (2 disks)...educational games for youngsters
G021 Demolition Mission (1Mb)...destroy city form the air
G135 No Man's Land (1Mb)...2 player shoot out
G025 Entrophy...tricky shoot-em-up
G141 Assassins Games 2...6 games inc. Missile Command
G123 Insider's Club...stockmarket simulation
G124 Napoleonic Warfare...latest version (v5.0)
G126 Pom Pom...defend Pearl Harbour
G071 Return to Earth (1Mb)...superb space adventure
G077 Seven Tiles...Speedball game
G074 Snakepit...Eat food and avoid your growing body
G148 Galactic Food Fight...kill those hamburgers!
G152 Leaping Larry...jump the moving bars. Good.
G151 Hm, that's not on the syllabus...good text adventure
G056 Monopoly...board game computerised
G099 Cabaret Asteroids...classic reconstruction
G130 Battle Pong...great bat and ball game
G125 Atic Atac...kill ghosts in house
G002 Adventure games...compilation
G064 PD Chess...good chess version
G018 Casino games...includes video poker

UTILITIES

U001 A-Gene (1Mb)...search your family tree
U016 Biorhythms (1Mb)...chart your feelings
U017 Business Pack (3 disks)...D/base, S/sheet, W/processor
U005 Amibase v3.76...excellent user-friendly database
U133 Anti-virus v3.14...latest killer version
U123 IQ Tester...how clever are you?
U110 Messysid...transfer PC files
U104 Golf Recorder (1Mb)...record scores of rounds
U076 Star Trekker...excellent music sequencer
U089 Journal...accounts handler
U122 Perm-checker...checks pools-winnings
U128 Viz - clip art...great pictures
U092 Cartoon Brushes...more pics for use with D-Paint
U130 Printer Utils...label printer utilities
U097 RSI Demo-maker...superb utility
U029 Superkillers...updated virus killers
U033 Education 1...learn German
U075 Spanish Tutor...Bueno!
U078 Text Plus...high quality wordprocessor
U101 C64 Emulator...resurrect those golden oldies!

DEMOS

D092 Iraq Demo (1Mb)...humorous cartoon
D129 Puggs in Space...classic animation from Dionysus
D251 Debbie Harry Slides (2 disks)...well compiled slideshow
D020 Bowie Demo...music & graphics
D021 Budbrain II...excellent demo; funny & clever
D248 Pulling the Trigger...high quality demo
D201 Sickness simulator...some nasty sound samples
D224 Invisible World...slides of bugs & mites!
D225 Sgt. Pepper (2 disks)...music & far-out graphics
D241 Chris Hill Slides...good high resolution slideshows
D036 Coma/Cebit '90...classic acid demo
D016 Acid Music...another ravish demo favourite
D166 Star Trek Animations...Richter classic
D157 Space Bubbles...excellent animation
D237 Simpsons Decay Demo...Bart at his best
D075 Girls of Sport...slides of sporty girls
D063 Fillet the Fish...cutesy cartoon, similar to Puggs.

MUSIC

M001 808 State...beaty remix
M082 The Power...excellent clarity remix
M074 Subway Music...original sound and graphics
M057 Powerpack 3 (1Mb)...tracks include Vanilla Ice
M062 Random Access...includes Art of Noise
M070 Sound Atax...nice music from Magnetic Fields
M066 Sydney Youngblood...superb sample
M038 Hugo's Excentria...housey tunes to cartoon graphics
M030 Debbie Gibson (2 disks)...Electric Youth
M084 The Wall...Pink Floyd classic
M087 Iron Maiden...The ides of March
M086 Great Balls of Fire...goodness gracious
M083 Technotronic Megamix...this beat is good!
M088 500 Things Comeback Demo...excellent. See issue 29 review

WARNING: A500 PLUS OWNERS

Many disks may not
be compatible with
your new Amiga.
Please phone to
confirm first.

UK orders60p Europe£1.25 PD£1.20 per disk
World£2.50 Orders of 10 or more disks £1.00 per disk

Send cheque/postal order made payable to:

SOFTWARE EXPRESSIONS,

Studio 4, Hebron House, Sion Road, Bedminster Bristol, BS3 3BD

Local orders welcome. Just phone in your order and pick up later!

Credit Order Hotline: Tel: (0272) 637634



CATALOGUE
UPDATE NOW
AVAILABLE.
PLEASE
SEND SAE

ALL DISKS
STILL ONLY
99p EACH

Anglia PD

Catalogue Disk (P)
only 70p - Includes
a superb Scenery
Generator!

(*) = 1 Meg

(P) = Works on A500 and A500 Plus

DESKTOP VIDEO PACK (P) 4 DISKS £3.96
Outstanding collection for video producers. Includes
Rolling Credits, Slideshow, Video Backgrounds,
Special Effects, Pattern Generator and more!!

HOME MANAGEMENT PACK 3 DISKS £2.97
Calendar, Mortgage, Spreadsheet, Grammar, Mileage,
World Time, Budget, Chequebook, Database, Typing
Tutor, Typewriter, Grocery, List Maker, Home Banking

CLIPART PACKS 1, 2 OR 3 EACH PACK = 5 DISKS £4.95
3 different packs of 5 disks, all full of the very best
clipart for DPaint etc. (P)

FONT PACK 1 OR 2 EACH PACK = 5 DISKS £4.95
2 different packs of 5 disks, pack 1 contains: Publisher
fonts, various fonts, fonts disk 2, Cosmopolitan fonts,
large fonts (loads of great fonts for DPaint etc.) (P)

ANGLIA COLOURFONTS (P) 5 DISKS £4.95
Contains 5 disks full of original colourfonts produced
here at Anglia. Ideal for captions, titles, etc. Use with
DPaint III.

CARD & BOARD GAMES 4 DISKS £3.96
Cluedo, Cribbage, Monopoly (English version!),
Mastermind and much more!

GAMES GALORE PACK 5 DISKS £4.95
Over 30 Games on 5 disks! Includes great games
such as Sky Flight, Dad, Trek Trivia, Five-in-Line,
Diplomacy, Chess, Monopoly, Othello, Space Age, Air
Traffic Control, and loads more!

UTILITIES PACKS 1, 2, 3 OR 4
EACH PACK = 5 DISKS £4.95
4 different packs with all the utils you will ever need!
Pack 1 contains: Chet Solace disk (26 utils),
Diskmaster v3.0, Darkstar Utilities 2, 3 & 4.

EDUCATION PACK 1 (P) 5 DISKS £4.95
German, Globe, Geotime, Drawmap, Evolution,
Clouds, Formula, Airfoil, Gravity Sim, Weather, Wave
Maker, World Data Bank and more!! (This pack is one of
our best sellers and is incredible value for money).

ASTRONOMY PACK (P) 4 DISKS £3.96
Star Chart, Amigazer, Deepsky, Gravity Well, Grav
Sim, Orbit, Planet.

PRINTER USER PACK (P) 4 DISKS £3.96
Essential for all printer owners! Includes, Label
Designer, Label Printer, Printer Driver Generator,
Print Studio, Plus More!

ARTISTS PACK (P) 5 DISKS £4.95
Spectrapaint, C-Light, Image Lab, Filter Pics, Image
Tools, Direct Action, Clipit, Auto Pics, View It!

NEW! MUSCIANS PACK 5 DISKS £4.95
Med V3, Soundtracker Pro, Oktalizer (8 Channel!),
Games Music Creator and Loads of Samples!!

FRACTALS PACK (P) 4 DISKS £3.96
If you want to explore fractals then here's everything
you'll need! C-Plot, S-Man, Mandelipaig, Polysys,
CPM - ZPlot, Fractal Lab, Mandarin, Mandelbitz,
Polysysexamples, Julia, FCS, Mandelmountains

PUZZLES PACK II (*) (P) 2 DISKS £1.98
Superb new pack for fans of crossword type puzzles.
Includes: Wordsearch, Reader, Wordhat, Wordgame,
Crosswords, CWP, Scrazzle, Disearch

ERIC SCHWARTZ CARTOON PACK (*) (P) 5 DISKS £4.95
Brilliant cartoons just click and run! The History of
Amy - Aggressor - Batman - Skydrive - Terminal -
Amy Jogs - Amy Walks - The Big Sneeze - Coyote 2 -
How To Run Wall.

SIMULATIONS PACK (*) (P) 5 DISKS £4.95
All of the best PD simulations in one pack! Metro - Be a
city planner, King Oil - you are J.R.I. Nuke - Nuclear arms
race, Imperium Romanum - Grab ancient Mediterranean
power, Sealance - Save the world with your nuclear sub,
Truckin' - Run your own truckin' company, DC10 - Learn to
fly a DC10 jet, Lone of Conquest - Two players take over
the galaxy!, Insiders Club - Superb stockmarket
simulation, Air Warrior - Take your pick from a huge range
of aircraft with this excellent flight simulator!

EASY BUSINESS PACK (P) 5 DISKS £4.95
All programs included are powerful but easy! Includes:
Text Engine V3 (The very latest wordprocessor), Spread
V1 (Spreadsheet), QBase (Simple Database), BBase II
(Good Database), Bankin (Great accounts package), X-
Spell (Spell checker), Print Studio, Business card maker.

INTERMEDIATE BUSINESS PACK (P) 5 DISKS £4.95
Wordwright (Wordprocessor including Mail Merge
and Macros!), S-Calc (Good Spreadsheet), Amibase
Pro 2 (Shunning PD Database - New!), Amigaspell
(Spell Checker), LS Label (Infinite label control),
Messysid V2 (Amiga File Management + PC File
Transfer), Amiga Fox (Desktop Publishing)

DISK EXPERT PACK (P) 5 DISKS £4.95
If you want to learn more about your Amiga, get this
pack! - You'll be a disk expert in no time! Includes:
Power Pack (Easy file compacter), Lid (Brilliant CLI
Replacement Tool), Iconmania (Change any icon in
seconds), Pixdisk, Viruschecker V5.3, D-Copy
(Copies, Repairs, Formats and more), CLI Tutorial
(All you need to know) and 202 other utilities!!

"C" PROGRAMMERS PACK (P) 6 DISKS £5.94
A complete "C" language and superb instruction
manual provide all you need to learn the "C" language,
includes North C (2 disks) and the C Manual (4 disks)

MED V3.2 MUSIC PACK (P) 4 DISKS £3.90
MED is widely recognised as the best music package, PD
or otherwise!! This pack contains V3.2, the latest version
complete with loads of digital samples, a disk full of MED
music scores and some great MED music to load and
play! Listen to what your machine is capable of!

Please note all pack disks may be bought singly at 99p!

SINGLE DISKS AT ONLY 99p:

BUSINESS

B301 Bankin (Excellent home banking package) (P)

B303 Flexibase (Good DBase with form designer) (P)
B321 Amigafox (English Desk Top Publishing) (P)
B322 500 Business Letters (Superb) - Ready to use (P)
B313 Amibase V3.76 (The best PD Database available) (P)
B324 Q Base (The perfect database for beginners) (P)
B314 Business Card Maker (Design Your Own)
B330 Amicash (P) (Superb new bank account manager)
B331 QED (P) (Very good wordprocessor for beginners)
B332 U-Edit V2.6H (P) (Latest and greatest word pro)
B333 Amibase Professional 2 (P) (Now PD!) -
Superb database)

UTILITIES

U402 Master Virus Killer v2.1 (The best Virus Killer)
U413 Sid v1.6 (makes you a master of CLI) (P)
U416 Cli Tutorial (Learn all about it) (P)
U427 Demolisher Utilities (over 200 utilities on one disk) (P)
U437 D-Copy (P) (As good as X-Copy)
U471 X-Copy III (PD version of commercial prog. Save £30!!)
U478 Typing Tutor (New! Great features) (P)
U475 Messysid (Read + write MSDOS disks-simple) (P)
U415 Hard Disk Utilities (Wonderful for HD Users) (P)
U414 Easy Backup - View 80 (Good HD backup to floppy) (P)
U494 Pascal (2 disks - brilliant language) (P)
U495 Viruschecker V5.3 (P) (The latest - For the plus too!)
U496 Messysid V2 (P) (Reads and writes PC disks)
U497 A500+ Utilities (P) (For the A500+ only!)
U498 TurboTitle (P) (Add subtitles to your videos!)

U499 S-Movie (P) (Smooth scrolling video titler)
U4001 Graphs (P) (Several programs to produce +
print graphs)

U4002 Cross (P) (Good crossword maker)

U4003 Drawmap V3.1 (Latest version, save and print maps)

GAMES - (* = 1MEG)

G6012 Backgammon (P) (Great version of a great game)
G6013 Chess Tutor (P) (improve your skill)
G6014 Ultimate Card Games (P) (Cribbage, Hearts,
Blumoon, Patience and Solitaire)
G6015 Super Skoda Challenge (P) (New car race game)
G6017 Star Trek Next Generation (P) (Strategy Game)
G6018 Dominos and Connect 4 (P) (Good versions
of the originals)
G6019 A500+ Games (P) (21 Games for the Plus!)

G677 Amigoids (The best Asteroids Game) (P)
G625 Dnp! (*) (You must get this classic game!) (P)
G624 Blizzard (*) (PD's best shoot em up!) (P)
G689 Pom Pom Gunner V2 (Latest - New levels)
CHILDRENS
C701 Learn + Play (2 disks-super education for 4-10yrs) (P)
C704 Simon Says-Space Maths (P)
C705 Treasure Island X marks the spot - with speech!
C706 Snakes + Ladders (Classic board game fun)
C707 Pair It (*) (Match the cards-great fun!) (P)
C708 Crossfire (*) (Hectic arcade game) (P)
C709 Pixie Kingdom (2 disks - save the pixies) (P)
C710 Number Fumbler (sliding block puzzle) (P)
C712 Colour Pad (New colouring book for youngsters) (P)
C713 Peters Quest (P) (Lots of fun platform game)
C714 StorylandII (Brilliant kids game)



PUBLIC DOMAIN SOFTWARE

ANGLIA PUBLIC DOMAIN LIBRARY
(Dept ASH), 115 Ranelagh Road, Felixstowe, Suffolk, IP11 7HU

TELEPHONE 0394 283 494



Simply phone your order through or send a cheque/postal order. Please add 60p to cover post and packing.

MY TIN TOY ANIMATION

PD SOFT, DISK 2289



That happy, smiling face. What more could a child want than such a jolly, musical tin toy such as this?

How many of you have seen the award winning *Tin Toy* animation? No? Well, basically it features a baby playing with a new tin toy, which is a clockwork one-man band. As is the way with babies, it soon starts to play rough with the poor little toy, who must flee to safety. After some crazy cartoon antics, the little metal chap finds sanctuary by hiding under the sofa, only to find a host of other toys hiding from the attentions of the young monster.

This version, surprisingly, doesn't feature all the action from the original animation. This would have been quite a feat, since the movie was designed on an extremely expensive computer animation system called Pixar, which is slightly out of the range of the average Amiga owner! Instead it is a simple looped animation of the toy itself, bashing away at its instruments. The graphics alone are extremely effective (despite it being a short clip) and make the demo worthy of inclusion in any PD round-up. However this animation has one advantage over many others of a similar style due to the fact that it has sound. True, it's only a few thuds and bashes of drums and cymbals, but it adds an atmosphere which is missing from other anims. If Amiga's can do this now, then Pixar quality isn't that far away!

PD Demo Zone

Bored? Listless? No fun in your life? Well check out the latest demos to appear on the Public Domain scene. **Maff Evans** looks at the current crop which will have you vegetating in front of the screen.

CREEP SHOW II

PD SOFT, DISK 2281

Once again the typical Amiga-owners penchant for trashy horror films and comics comes to the fore. *Creep Show II* is a collection of such material which has been put together by Thanatos, which starts off with a typical scrolly, sine-wave text message along with a very heavy metal-style Thanatos logo. This is followed up by the slideshow itself, featuring a whole host of nasty digitised artwork from heavy metal album sleeves, horror books and comics. All the pictures are nicely textured and very colourful, with some good results having been achieved with the old Amiga digitiser and video camera.

The Iron Maiden covers are pretty much expected on this kind of demo. Luckily, though, there are some well drawn (not to mention unusual) pictures also included, such as the skeletal clock and the manic surgeons, who wouldn't look out of place in a scene from the recent psychological horror film *Jacob's Ladder* (remember the asylum scene? Where that doctor turns around and... ugh). One point though – how come the music on these slideshows always sound like the theme to *Evil Dead*? I know it suits the pictures, but once you've heard half a dozen demo tunes with thunder, church organs and screams, you're unlikely to find the rest original. A small piece of advice from a veteran PD viewer: try some originality in the sound department! It lets the wonderful pictures down.



Aren't you glad that this fellow isn't waiting when you go to the doctors? Seems like the aspirin were a good idea!



Time waits for no man – especially the man who donated his arms for this clock. And all for a PD slideshow...

AMY VS WALKER 2

PD SOFT, DISKS 2311 AND 2312
REQUIRES 3MB

Eric Schwartz is back! And with a vengeance! For his latest offering he has taken a nostalgic view of some of his earlier work to come up with a sequel to the simple, yet highly successful, *Amy Vs Walker* animation. For the new clip he has increased the scale dramatically. The demo requires 3Mb to run for a start (so users without porky memory upgrades are left out, unfortunately) and features much more in the way of diverse action.

After a doomy, atmospheric view of an Ohio city-scape, the action moves to

in-between a series of skyscrapers. A typically *Aerotoon*-style helicopter pulls around the corner to be confronted by a gargantuan Imperial Walker. Gosh! But never fear! Amy the Squirrel is here with her deadly piece of office equipment. "What office equipment?" I hear you ask. Well you'll just have to have a look at the demo for yourself to find that out, won't you?

Eric's animation technique has always been impressive, but on *Amy Vs Walker 2* he has outdone himself. All the usual style elements are there – the *Aerotoon* chopper, Amy's sly grin – but the dark streets and the oppressive size of the Walker add a more mysterious edge to the piece. The action flows smoothly, the pictures are very well drawn and the plot is amusing. What more could you want from a PD animation?



A little helicopter has to keep his eyes peeled in a dark and gloomy city such as this. You could meet a nasty...



...aaagh! A nasty giant Walker! And he's firing his guns up at the poor little helicopter! Who can save him?



Amy the Squirrel to the rescue! After a small slip-up, Amy does battle using a piece of office equipment.

FLEEBYTES 2

AMIGA 500/500 PLUS

Each month we scan the PD market to bring you the best software available. This will all be contained on our monthly **FIVE** disk packs.

We include: • Demos • utilities • games • music •
and • CLI hints/tips to help you •

50 x 3.5" DSDD unbranded disks with labels £20.75 inc P&P

PACK 2 INCLUDES:

- ZX Spectrum emulator (new version)
- Alarm Megademo
- Pom Pom Gunner
- Plus much, much more...

The popular Fleebytes Pack 1 is still available
(See Amiga Format issue 32)

Individual packs £4.50 + 50p P&P
or
both packs 1 & 2 for £8.50 + 50p P&P

Cheques/PO's payable to:
S.N. Leigh, 255 Old Road,
Ashton-in-Makerfield
Wigan WN4 9QD

BUILD YOUR OWN ROBOT

with the **NEW AMIGA INPUT/OUTPUT PORT**
Now you can use your Amiga to control
electric motors, sensors, anything

£26.95

- * Cheapest I/O port available.
- * 8 outputs, up to 13 inputs.
- * Includes full instructions

"I used it to control a time lapse cine camera...so
simple to operate from a basic program" G.R. Turner.

AMAZING SENSOR & CONTROL EXPERIMENTERS KIT £24.95

SPECIAL OFFER £3 OFF IF PURCHASED WITH I/O PORT

6 Electronic projects which plug into the I/O port. No soldering required. Includes software and
FREE "Guide to Amiga Interfacing". Projects include motor, light bulb, relay & much more.

"Bought for my son, it has enabled him to gain an understanding of the interaction
between computers and the outside world" P.H. Morgan

**UNCONDITIONAL
GUARANTEE.**
If not completely
satisfied, you may
return any product
within 30 days
for a full refund.

By mail: please send cheque payable to Switchsoft.
By phone: ring Switchsoft mail order line on 0325 464423.
Prices include P&P in U.K. Overseas: please add £3.



Dept AFO492,
26 Ridgeway, Darlington,
Co. Durham DL3 0SF

AMIGA VERSION
JUST ARRIVED

Cottage Industries

HOME BASED BUSINESS

EXPLOIT YOUR COMPUTER

The ART of making your computer earn.
For your **FREE** details send 1st class stamp to:

COTTAGE INDUSTRIES CB
4 ODDFELLOW COURT
ODDFELLOW STREET
YSTRADGYNLAIS
SWANSEA
SA9 1LH

Multimedia Opportunities

On-line Entertainment is State of the Art in CD
development and publishing.

We are looking for the next generation of
designers and artists. Submissions are invited
from anyone with interesting work.

Contact Michael Hodges on 081-558-6114 or write
to: **On-line Entertainment Ltd.,**
642a Lea Bridge Road, London E10 6AP

FREE GAMES!!!

ARE YOU BORED WITH YOUR EXISTING GAMES?
CAN'T AFFORD THE PRICE OF NEW GAMES?
THEN YOU NEED

"NO GIMMICKS"

"NO CATCHES"



AMIGOS

For full details send a stamped self addressed envelope to:
AMIGOS, 3A HIGH ST. WANSTEAD,
LONDON E11 2AA

Matrix

Buy Your Software From Us And We'll Buy It Back!

As a member of the Matrix you can choose from our extensive lists of the latest and the popular
with our absolute guarantee to buy them back. AND you don't have to pay until you're decided.

- ★ Top name games, business and utility software (sorry no PD or Shareware)
- ★ Great prices ★ No commitment to buy ★ Computer helpline
- ★ Super fast service - established 1981 - over 2 1/2 thousand members

To find out more about the unique Matrix money saving scheme
call our 24 hour hotline, (0920) 444224, now!

or, send large s.a.e. stating your machine (IBM/PC 3.5", Amiga, Atari ST) to: Matrix Leisure Services,
Dept AMF 4, Unit 4, Mill Studio Business Centre, Crane Mead, Ware, Hertfordshire, SG12 9PY

1/2 price first years membership subscription!

AMIGA WORK CENTRE

- MONITOR STAND
- SPACE FOR 3.5" & 5.25" DRIVES
- ALLOWS HARD DRIVE
- DOES NOT BLOCK ANY PORTS
- EXTENSION LEADS UNNECESSARY
- FITS BOTH A500 & A500+



**GET YOUR DESK SPACE BACK AND
GET SERIOUS**

**ONLY £29.95 INCLUDING
POSTAGE, PACKING &
INSURANCE.**

CHEQUES & PO's to:
MISDEM METAL BOX
UNIT 3, CARVER BUSINESS PARK
ASTONFIELDS INDUSTRIAL ESTATE
STAFFORD
ST16 3HR

• • • • • dealer enquiries welcome

FIRST CHOICE
1
COMPUTERS

FIRST CHOICE

LEEDS

TEL: 0532 637988

FAX: 0532 637689

NEW OPENING HOURS

OPEN MON - SAT 9.30AM-5.30PM
SUNDAY OPENING 11.00AM-3.00PM
THURSDAY NIGHT LATE 9.30AM-7.30PM

WEST YORKSHIRES PREMIERE
AMIGA AND ATARI COMPUTER STORE

AUTHORISED DEALERS FOR STAR, CITIZEN,
COMMODORE, ACORN, ROMBO & PHOENIX



THE NEW AMIGA A500 PLUS CARTOON CLASSICS PACK

Now complete with:

- * One Mb of chip RAM expandable to 10 Mb of RAM in total
- * The new Kickstart 2.04
- * Workbench 2.04
- * Built in battery backed real time clock
- * New improved user friendly manuals

This pack also comes with Lemmings, (the only game ever to get a 100% rating!) The Simpsons, Captain Planet and Deluxe Paint 3 the incredible paint and animation package plus mouse and modulator

NEW LOW PRICE !!

now only
£339.99!!

or **£384.99** for 2Mb version

First Choice Pack
ONLY £29.99 see PAGE 2

NEW AMIGA 1500 PLUS

New !!

The New 1500 Plus Base pack

now complete with the latest 2.04 Kickstart
chip and Workbench 2.04 the 1500 Plus !!

The Base pack is the ideal upgrade machine for those wanting
to upgrade from their present Amiga 500

only **£499.99**

Amiga 1500 Plus Business & Entertainment Software pack

The same spec. as the base pack but with Deluxe Paint 3, Platinum Works
(the best integrated package available for the Amiga), Home Accounts,
Puzznic, Elf, Toki plus the latest Amiga Format Tips book (2.04 compatible)
and Joystick.

now only **£549.99**

or **£779.99**

with 1084SDI colour monitor (UK Spec.)

New !!

THE NEW AMIGA 500 & 1500 DELUXE SERIES

The A500 Deluxe is an uprated version of the A500 Plus
incorporating the Phoenix ROM sharer with 1.3 chip because some older
software will not run on the new A500 Plus. The A500 Deluxe has been
developed with a built in ROM sharer so you can choose to run either Kickstart
1.3 or 2.04 making incompatibility problems a thing of the past! The
Deluxe also Comes complete with the Cartoon Classics software pack.

only **£419.99**

or **£465.99** for 2 Mb version

The Amiga 1500 Deluxe is an advanced version
of the standard Amiga 1500 Plus

incorporating the famous Phoenix ROM sharer and 1.3 Kickstart ROM chip. As
with the A500 Deluxe, this enables you to switch between the old and new
operating system to accommodate older software that can only run on the 1.3
operating system.

only **£559.99** for base pack version or

£609.99 for the 1500 software pack version

Phoenix A500 Plus RAM Expansions

We stock the best name in A500 Plus RAM expansions. These high quality RAM modules will take your
A500 Plus up to 2 Mb of chip RAM without invalidating your warranty.

Unpopulated.....only **£19.99**

Populated to 512K..only **£34.99**

Populated to 1 Mb....only **£49.99**

Phoenix ROM Sharer

Because some older software will not run on the new 2.04 operating system Phoenix
have designed a high quality ROM sharer. Recognised as being the best on the market,
this ROM sharer features a flexible ribbon connection so that it can be positioned
anywhere within your A500 Plus.

Don't be fooled by cheap low quality alternatives
to Phoenix, treat your Amiga to the best!!

only **£24.99**

All Phoenix products come complete with a full 2 year replacement warranty

Tel. 0532 637988
Dept AF, Unit 8, Armley Park Court, Stanningley Road, Leeds, LS12 2AE

FIRST CHOICE
1
COMPUTERS

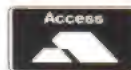
FIRST CHOICE

LEEDS

TEL: 0532 637988
FAX: 0532 637689

Nearly all the products we sell are on demo at our show room. At First Choice we make a point of knowing our products before putting them on sale. Although, due to time constraints and the sheer volume of new products this is not always possible!

DEPT. AF, UNIT 8 ARMLEY
PARK COURT, OFF CECIL
STREET, LEEDS, LS12 2AE



Free Delivery on all products!!!

CDTV

Commodore Dynamic Total Vision

Complete with Hutchinsons Encyclopedia, Lemmings and Welcome CD disk. CDTV is a powerful media for both entertainment and education. Capable of handling up to 540 Mb of data, whole encyclopedias can be stored on just one compact disc. The CDTV is also a high quality audio CD player. We also stock a large range of CDTV software all at discount prices

now only £449.99
UK Spec.

New CD Rom for the Amiga A500 now available !!!

The add-on that every one has been waiting for. This high quality CD ROM turns your Amiga into a CDTV

only £279.99

New CDTV keyboard

Effectively transforms your CDTV into an Amiga so you can get even more out of CDTV. With the aid of a standard 3.5" disc drive the CDTV will take most of the normal Amiga software from word processing to entertainment

only £49.99

New CDTV Trackerball

complete with 2 joystick ports, this is a must for CDTV owners

only £74.99

FIRST CHOICE PACK

Take the headache out of buying a computer with our ever popular FIRST CHOICE Pack. All the essentials required for the first time buyer. Ideal for any Amiga and great value too!

Comprises:

* Top quality microswitched Powerplay Cruiser joystick

* Mouse Mat

* Dust Cover

* 10 Blank Disks

* **Plus 3 Extra games!!**

only £29.99

STAR PRINTERS

All Star printers inc ribbons, free std printer cable and 12 month guarantee

The Star LC20

Replacing the famous LC10, the LC20 is faster at 180cps draft and 45 cps NLQ. It's also quieter. The front panel now has push button operation replacing the old LC10 membrane panel. Other spec is similar to LC10.

now only £139.99!!

Star LC200

Colour 9 pin printer with 8 resident fonts and a high speed of 225cps draft and 45 cps in NLQ. A4 Landscape printing

now only £199.99

Star LC24-200

Mono and colour, 222 cps draft and 67 cps LQ, 10 resident fonts. A4 Landscape printing

only £229.99 mono
or £289.99 colour

Star XB24-200 Colour

The choice of many professional organisations, this printer comes with one year on-site maintenance. 332 cps draft, 100 cps LQ, 29k buffer exp to 189k, 4 super LQ fonts and 14 LQ fonts

now only £399.99

Star LC24-10

24 pin quality at the price of many 9 pins. 180 cps draft, 60 cps in NLQ, 8k buffer expandable to 37k

now only £189.99

Star printer accessories : Dust covers from £4.99. Printer stand just £7.99 when purchasing printer. Mono ribbons from only £3.69

THE NEW STAR SJ48 BUBBLE JET

With Epson LQ and IBM Proprinter emulation. The SJ48 is a revolution in printer technology. The quality is almost as good as an expensive laser printer yet costs less than many 24 pin printers. Portable in size, very quiet, and faster than most dot matrix printers at 100 cps in LQ. Printer cable included

only £229.99

Auto sheetfeeder £52.99

THE NEW EPSON 4100

With 512k of RAM as standard from First Choice, expandable to 6 meg, 6 pages per minute, HP2, FX, LQ, GQ compatible, 150 autosheet feeder, 12 months on-site maintenance and printer cable.

only £719.99

Toner cartridge £59.99

HEWLETT PACKARD PRINTERS

The HP Deskjet 500 printer allows you to create laser jet quality without the cost, with 100 page auto sheet feeder, printer cable, 3 page/minute speed and

3 year UK warranty

only £359.99

The HP Deskjet 500C

The famous deskjet 500 is now available as a colour printer. With this printer you can get stunning colour output at laser quality

now only £599.99

CITIZEN PRINTERS

All Citizen printers inc. free printer cable and come with a full 2 year warranty!

The Citizen Swift 9 Colour

Unbeatable value colour printer, 4 resident fonts, 192 cps draft and 48 cps in NLQ. Highly recommended. This printer is also available in a wide carriage (136 column) version

only £194.99 (80 col)
or £314.99 (136 col)

The New Citizen 224

A replacement for the famous 124D, the 224 now comes with the option to upgrade to a high resolution colour printer. If you want 24 pin quality, you want to print in colour if necessary and you don't want to spend a fortune, the new 224 is an ideal solution. Using the same technology as the Swift 24, the 224 is basically a cut down version. 192 cpi draft and 64 cpi letter quality with 3 built in fonts.

only £214.99 (mono)
or £244.99 (colour)

The New Citizen Swift 24e and 24x

(What Micro Best Buy)
The best budget 24 pin printer has just got better!

This must be the best 24 pin colour printer for less than £300, 8k buffer expandable to 40k, 216 cps draft, 72 cps LQ and multilingual too!

only £274.99 (80 col)
or £414.99 (136 col)

Citizen printer accessories : Mono ribbons only £4.99, Printer stands £24.99, auto sheet feeders £85.00, semi auto sheet feeders only £15.00

MONITORS

All our monitors are UK spec.

All monitors come complete with a free Amiga lead

WARNING: Before you purchase a monitor make sure it has a full UK specification. You might be buying what you think is a similar monitor at a lower price but it is likely to be a "GREY" import. These monitors do not comply with British safety standards and are not covered by an official warranty

Protar Stereo colour monitor

This monitor uses the same tube as the Philips 8833 MK2 and has the same specification. The Protar comes with a full 12 month replacement guarantee. This must be the best value medium res. monitor on the market. Amiga cable included. Tilt and swivel stand only £11.99 when purchased with this monitor. Cover only £5.99

only £199.99 UK Spec.

Commodore 1084 SDI Stereo Colour monitor

The perfect complement to your Amiga system. This Colour stereo monitor features 640*256 line resolution and green screen facility. Amiga cable included. Tilt and swivel stand only £11.99 when purchased with this monitor. Cover for monitor only £5.99

only £239.99 UK Spec.

CM7 Super VGA Colour monitor

The CM7 monitor is a high quality VGA monitor ideal for making your AMIGA into a professional system. 0.28 dot pitch. Comes complete with tilt and swivel stand. Monitor cover only £5.99 if purchased at the same time

1500 VERSION £369.99

with Flicker Free Video card

A500 VERSION £499.99

Philips CM8833 MK2 stereo colour monitor

Colour stereo monitor, 600*285 line resolution, green screen facility, one years on site maintenance, cable for Amiga included. Tilt and swivel stand only £11.99 when purchased with monitor. Cover only £5.99

only £239.99 UK Spec.
with F19 Flight Simulator

Goldstar remote control TV/monitor superior to a standard TV set.....**only £189.99**
AOC Multisync.....**only £299.99**
Commodore 1900 multisync.....**only £436.99**

The Complete Colour Solution

As official dealers for Rombio, we are able to offer this excellent package at a great price. The complete colour solution comes with RGB splitter, Vidi Amiga, Vidi Chrome, power supply and Photon Paint.

now only £129.99

Take 2

Designed to be used in conjunction with a digitiser or as a stand alone program, this is latest animation package for the Amiga from Rombio. Features include load and save from D: Paint animations and IFF files. Supports HAM graphics.

only £69.99

VIDI AMIGA

Frame grabber.

High quality digitizing. Inc Vidi chrome colourising software

only £84.99

RGB SPLITTER

Enables you to Colour Digitise in a second. Replaces red green blue filter set. Can be used with Digi view or Rombio products

only £54.99

THE NEW MICROBOTICS ACCELERATOR BOARDS

The VXL is an advanced 68030 accelerator for the Amiga 500/1500/2000 with space for an optional co-processor (CP)

VXL30 25Mhz EC.....only £239.99

VXL 30 40Mhz EC.....only £369.99

68881 co-pro for above.....only £79.99

The VXL accelerator boards can also accept 32 bit RAM to optimise performance. The superfast 32 bit RAM comes as a 2 Mb or 8 Mb daughter board for the VXL.

2 Mb of 32 Bit RAM (60ns).....only £214.99

8 Mb of 32 Bit RAM (60ns).....only £419.99

PANDAAL HAND SCANNER

On test this scanner has proved to be the easiest and most effective scanner that we have used to date having compared it to most of the other major hand scanners on the market. We are able to offer this high quality scanner at a fraction of the normal cost. Complete with the latest improved version of Daata-scan software this scanner is able to pick out text and graphics at up to 400 d.p.i in real time. Daata-scan enables you to easily manipulate the image. Scans in real time up to 64 grey scales. Ideal for desk top publishing and presentation.

SPECIAL OFFER
now only £109.99
or £124.99 with 2 way parallel switcher box

DISCOUNT SOFTWARE

FINAL COPY WORD PUBLISHER

Superb new easy to use word publisher from the writers of PenPal. With built in outline fonts for top quality output, full graphics import capability (IFF and HAM). Features include Thesaurus, spelling checker and detector, automatic hyphenation, insert date, time, and page number, scale graphics to any size, crop graphics, multiple columns layout, magnified and reduced page view, full post script support and much more. Requires 2 disk drives or a hard drive.

Highly Recommended only £39.99

or £95.99 with Cumana 3.5" external drive

PLATINUM WORKS Special offer !! now with Home Accounts

As recommended by Commodore and taken from the Amiga 1500 Plus pack, we believe this to be one of the best all round integrated business packages on the Amiga. It comes with Platinum Scribble w/p, spell checker, thesaurus, Analyse (a Lotus 123 compatible spreadsheet with 3D graphics), a database, sideways printing utility and communications software plus the best selling Digita Home Accounts package

only £49.99!!

limited stocks

DIGI-VIEW MEDIA STATION

The new complete graphics creation presentation package for your Amiga. Comes complete with the famous Digi-View Gold, Digi-Paint and Elan Performer

only £109.99

IMAGINE Version 2

The latest version of Imagine, the ultimate 3D animation rendering system

only £199.99!

PENPAL

This best selling word publisher incorporates many features found only in a desk top publisher. Also includes an easy to use database.

Highly recommended

now only £54.99

NEW IN!!! PAGESTREAM V2.2

The latest version of this powerful DTP package that we recommend. Better than alot of DTP packages on a PC and better than most on a Mac

only £124.99

WORDWORTH Version 1.1

The latest version of this highly acclaimed WYSIWYG word publisher. Comes with multiple fonts, powerful thesaurus, large spellchecker, speech synthesis

only £74.99

OTHER SOFTWARE

3D Text Animate.....now only £9.99

Aegis Sonix.....£39.99

Art Department Pro.....£99.99

Amos Creator.....£34.99

Amos Compiler.....£22.99

Amos 3D.....£27.99

Audio Engineer.....£169.99

Audio Master version 4.....£39.99

Broadcast Titler.....only £159.99

CrossDos.....£19.99

Deluxe Music Construction Set.....£54.99

Deluxe Paint 3.....now only £16.99

Deluxe Paint 4.....now only £57.99

Excellence word publisher V2.....£89.99

Flexidump printer utility.....£31.99

GB Route Planner.....£29.99

Gold Disk Office.....£64.99

Pagesetter 2 DTP.....£45.99

Pro Page professional DTP.....£124.99

Pro Video Plus.....£149.99

Quarterback hd backup util.....only £29.99

Sequencer One.....£74.99

SuperPlan Spreadsheet.....£29.99

Vista.....£29.99

Vista Pro (2 Mb required).....£69.99

Walt Disney Animator.....£68.99

Xcopy Pro inc. hardware.....£33.99

HARD DRIVES AND RAM

GVP Hard Drives for the AMIGA 500, 1500 or 2000 series

Recognised as being probably the best hard drives for the AMIGA, GVP drives come fitted with fast access Quantum drives and 8 Mb of unpopulated RAM. GVP drives use inexpensive 1 Mb by 9 SIMM modules at only £37.99 per Mb

AMIGA 1500/2000 VERSION

52 meg.....£289.99 105 meg.....£429.99

AMIGA 500 VERSION

52 meg.....£374.99 105 meg.....£569.99

Supra 52 Mb Hard Drive for the A500

Using the super fast Quantum drive, these drives also come with Express copy hard drive backup software. The Supra also has Space for 8 Mb of RAM

now only £319.99

DRAM CHIPS

256 by 4 DILs

ideal for A590 & Supra Hard drives plus many other Amiga RAM applications

QTY

4+ (512K).....now only £3.79

8+ (1Mb).....now only £3.59

16+ (2Mb).....now only £3.29

1 Mb by 8 or 9 SIMM boards

as used in GVP and Cortex boards

only £34.99

1 Mb by 4 ZIPS

as used in Supra boards. 2 1 Mb by 4 ZIPS equal 1 Mb

only £38.99 per Mb

OTHER PERIPHERALS

2 Way Parallel port sharer inc. cable

Many peripherals such as printers and scanners share the Amiga parallel port causing the user to have to swap between the two. Solve this problem with the 2 way sharer box

only £17.99

Rocgen Genlock

only £99.99

Rocgen Plus

only £139.99

Supra 2400 baud Modem

only £74.99

DISK DRIVES

New Roclite 3.5" Disk drive

The new super slim Roclite has recently received the best review for disk drives in Amiga Format (although many of these reviews are totally misleading)

only £59.99

Cumana 3.5" Disk drive

1 meg external drive. The best name in disc drives now at a super low price

only £57.99

NAKSHA MOUSE

This famous Hi-res mouse now comes with Operation Stealth, mouse mat, holder and 2 year warranty

only £24.99

NEW ROCTEC MOUSE

This is an excellent high quality mouse for the Amiga. Fully micro-switched mouse. Excellent value and highly recommended. 200 DPI resolution.

only £16.99

or £19.99 with mouse mat and holder

EMULATORS

KCS Power board PC/XT

emulator comes with Dos 4.01...

now only £199.99

A500 Plus compatible

Amiga 1500 adaptor only £59.99

New AT Once

emulator turns your Amiga into an IBM AT compatible now with 16 Mhz clock speed!

only £189.99

DISKS

All Phoenix 3.5" disks are **GUARANTEED FOR A LIFETIME** and are **CERTIFIED 100% ERROR FREE**. double sided, double density disks are of the highest quality in magnetic media and are extensively used by duplicating houses

QTY **Phoenix Bulk** OR **Sakura Branded**

10.....£4.99.....£6.99

25.....£11.99.....£13.99

50.....£21.99.....£25.99

100.....£39.99.....£44.99

200.....£72.99.....£84.99

500.....£169.99.....n/a....

1000.....£339.99.....n/a....

Disk Labels.....500.....now only £6.99

Disk Labels.....1000.....now only £9.99

MAIL ORDER ? WHY FIRST CHOICE ?

Order by telephone quoting your credit card number. If paying by cheque please make payable to **FIRST CHOICE**. In any correspondence please quote a contact phone number and post code

Mail order Hotline

0532 637988

6 Lines

Prices are subject to change without notice. E&OE.

- * All prices include VAT and Standard Delivery
- * All hardware/computers are genuine UK spec.
- * Free Fast Standard 4 to 7 day Delivery
- * Guaranteed 2 to 3 day Delivery **only £2.00**
- * Guaranteed Next Day Delivery **only £4.50**
- * Open seven days a week for your convenience

SUPRA RAM EXPANSION

The ultimate Amiga A500 expansion. Take your A500 up to 9 Mb (10 Mb with the A500 Plus). Fits onto the side expansion port. Auto configures with no software patching.

Please note that when 256*4 ZIPS are used, the Supra RAM can only be populated to a maximum of 2 Mb. If you use this configuration and want to further increase your capacity you must replace the 256*4 ZIPS with 1 Mb by 4 ZIPS

8Mb pop to 1 Mb...£99.99

8Mb pop to 2 Mb using 256*4zips.....£124.99

8Mb pop to 2 Mb using 1Mb*4 zips.now only £149.99

8Mb pop to 4 Mb..£209.99

8Mb pop to 6Mb.....£254.99

8Mb pop to 8 Mb.....£309.99

512K RAM EXPANSIONS

Top quality RAM expansions for the A500 complete with battery backed clock and on/off switch. This RAM expansion will not in any way invalidate your Amiga warranty!!

now only £24.99

PLEASE ADDRESS ALL CORRESPONDANCE TO :

DEPT AF, UNIT 8 ARMLEY PARK COURT, OFF CECIL STREET, LEEDS, LS12 2AE

AT THE MOVIES 217 BIT, DISK 1592 (FOUR DISKS)
REQUIRES 1 MB

What's this? Looks like Amy still refuses to have anything to do with her escort's mischievous behaviour!

What a treat! A double feature of Eric Schwartz cartoons for your delight. This one is yet another sequel, being the follow up to another Amy adventure – *At the Movies*.

Her over-excited boyfriend is still trying his luck in the cinema, much to Amy's annoyance, but even this can't keep her from falling asleep. While off in the Land of Snore, she dreams that she is being wooed by a well-dressed young gent in a top hat and dicky bow. How can a girl avoid falling for such a chap? Not Amy that's for sure!

The clip is well up to Mr Schwartz's usual standards and improves on the style of even the first *At the Movies* cartoon. Admittedly it doesn't quite have the superb atmosphere and style of *Amy Vs Walker 2*, but it's an enjoyable anim none the less. But all you PD fans should know by now, if Eric has released a new demo, you just have to have a look!



But who's this posh-looking gent? A sophisticated chap by the look of his suit.

MUTTLEY AND THE BEANSTALK17 BIT, DISK 1580 (THREE DISKS)
REQUIRES 3MB

Who needs plant feed ?

Muttley seems a bit surprised at the speedy success of his gardening. That's what you get for using magic seeds.

Here we have yet another 3Mb animation demo, this time from the new master of digitised anims, Dave Hollis. For his latest sequence, he has returned to his old favourite, Dastardly and Muttley.

The cartoon in question is *Muttley and the Beanstalk*. Dick gives Muttley some seeds to plant to begin with, but the rest turns into a fairy-tale dream sequence. Muttley climbs the beanstalk to find himself in a giant's castle. There he meets a girl doggie who has been captured by the wicked giant, who happens to look just like Dick Dastardly. The giant soon wakes up though, and chases the pair through the castle before they escape with some condiment trickery.

The animation is played in a window in the centre of the screen, with all the frames being digitised grey-scale pictures from the original cartoon. Unfortunately, there is no sound in the demo, but the clip is still very entertaining. The lack of sound is made up for by the presence of captions to highlight the action, but the action is what really counts and this is kept to the fore by clever use of editing. This one is typical of Dave's style – an amusing, well produced digitised cartoon.

VOYAGE

17 BIT, DISK 1604



A spooky face lurks behind the logo for Razor 1911's latest offering. Don't worry kids, it's only a picture.

There isn't really much to look at in the way of megademos this month, but this one makes up for the short supply. Razor 1911 have, up until recently, been content with releasing demos with the pretty standard 'scrolly texts and vector shapes' sections, but *Voyage* is most definitely a step in a more positive direction.

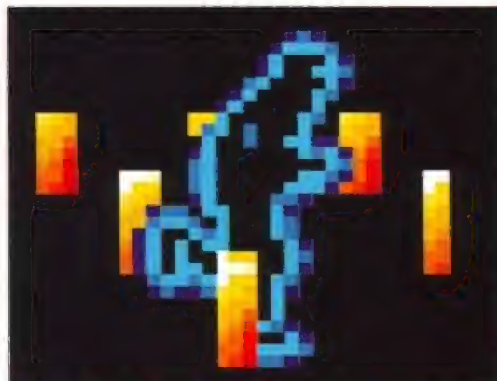
After loading up a simple intro screen, the proper introduction appears. This consists of a sequence very much like the opening of *The Terminator* (even down to the way the text fades away), followed by a set of logos listing the team members.

Along with some of the more usual copper and vectorball effects, the disk contains some impressively atmospheric animations, such as the walker standing on a panning mountain-landscape and the spaceship flying across an outer-space backdrop. However, one of the most unusual sections is the running-man clip. This features a blue cardboard cut-out man running around a wire-frame box which rotates across the screen. The anim is quite simple, but very original.

Most standard megademos can get pretty boring these days, so it's nice to see someone trying out some new ideas for a change. Well done Razor 1911!

EARTH'S SORROWS

PD SOFT, DISK 2291



An animated sprite? Maybe, but it has been cleverly calculated using the Copper. See *Earth's Sorrows* for more.

The second megademo for review this month is very different. Instead of building up the atmosphere of the demo and eventually reaching a climax, Hawk have put the most impressive section at the beginning.

After loading up an ethereal moose picture (drawn in a rather odd style) the 'Curse of Osiris' section of the megademo appears. This is basically a demonstration of an unusual copper effect. Instead of the usual plasma effects (they come later on the disk – yawn) various copper-created pictures appear, covering such subjects as an animated running man, a skull, a sunset and a 'Curse of Osiris' logo. Although these are quite blocky, the technique used to display both the pictures and the partially-masked scrolltext opens up a wide range of possibilities in the field of animated graphics.

Unfortunately, the demo goes downhill from here, consisting of a few plasma effects, vectors and more pictures drawn in the same strange style as the moose pic. The music on the 'Curse of Osiris' demo promises a lot too, only to be followed up by a series of the more usual reedy-sounding PD tunes. If only Hawk could have carried the impressive audio-visual style of the first section over to the rest of the disk. A pity.

TOP TEN DEMOS OF THE MONTH

Every issue we take the trouble of finding out a PD library's best-selling music and graphics demos. This month it's the turn of...

BYTEBACK

1	Plasmutex 91	AD 59
2	Anti Lemmin Demo	AD 83
3	Stealthy Anims	AD 65
4	Budbrain	AD 49
5	The Run	AD 25
6	Fillet The Fish	AD 78
7	Wrestlemania	AD 74
8	Mars Flight	AD 85
9	Odyssey	AD 100
10	Hardwired	AD 90

CONTACT:

PD SOFT: 1 Bryant Avenue,
Southend-on-Sea, Essex SS1 2YD

17 BIT SOFTWARE: PO Box 97,
Wakefield WF1 1XX.
0924 366982



NEW

LATEST UTILITIES

PDU-363 Master Virus Killer v2.2 (P)
PDU-366 IBM emulator
PDU-367 ST emulator (English)
PDU-368 ZX Spectrum emulator v1.2
PDU-375 MED 3.2 (Latest version) (P)
PDU-376 Superkillers v2.0 (P)
PDU-380 Textplus v3.0en (P)
PDU-382 Messysid II (P)
PDU-383 Spectrapaint v3.2
PDU-384 Diskmaster v3.2
PDU-385 Electrocad v1.4 (P)
PDU-386 D.T.P. (New English version) (P)
PDU-387 Windowsbench (2 disks)
PDU-388 600 Business Letters (P)
PDU-389 B-Base II (P)
PDU-390 Text Engine v3.0 (P)
PDU-391 Forms Really Unlimited (P)

NEW

RED SECTOR

PDU-401 RSI Demo Maker (& docs)
PDU-364 RSI Utilities Disk #1
PDU-392 RSI Utilities Disk #2
PDU-393 RSI Vector Object Editor
PDU-372 RSI Vectorballs Editor
PDU-394 RSI Font Editor
PDU-365 TSB Vector Designer
PDU-395/6/7 RSI Modules #1, 2 & 3

UTILITIES

PDU-10 Wordprocessing & Databasing
PDU-16 Air Tunnel Simulation
PDU-31 Fish #143 RIM Database
PDU-32 Fish #144 Analytic S/sheet
PDU-43 Fish #203 Assembler & C
PDU-45 Fish #213 Icons (300 in 8 cols)
PDU-48 Fish #215 Mondelvroom v2.0
PDU-51 Fish #219 Astronomy program
PDU-52 Fish #52 A-Z Text Editor
PDU-72 SID v1.06 (File transfer util)
PDU-80 Fonts & Surfaces
PDU-81 Diskalve v1.3
PDU-99 Ham Radio Utilities (5 disks)
PDU-101 Menu Maker
PDU-102 Label Designer
PDU-103 Icon Maker
PDU-104 Icon Mania
PDU-105 Crossword Creator
PDU-151 Fixdisk
PDU-164 Games Music Creator
PDU-169 Quick-Base (Database)
PDU-186 Falcon Bootblock Creator
PDU-200 Virus Killer Pro v2.0
PDU-207 Perfect Sound v1.93
PDU-262 MED Modules
PDU-358 Tetracopy
PDU-369 Fish #379 C64 Emulator
PDU-370 Flexibase (Database)
PDU-371 Nuke v1.3b (Saddam killer)
PDU-359 Genealogy
PDU-399 Amibase Professional II
PDU-357 Video Applications (2 disks)
PDU-402 Imploder v4.0

CATALOGUE DISK

Our latest update contains details of our 2,500 disk collection. It also has some FREE games on it. This is one of the most professional disks you will see. Please send 3 first class stamps to receive your copy. Alternatively, you can have one FREE with your first order.

DISK PRICES:

1-9£1.75 each
10-19 ...£1.50 each
20+£1.25 each

Postage & packing FREE on all orders of 3 disks or more (UK mainland only) Under 3 disks P&P £1.00. Europe add 25p per disk. Rest of World add 50p per disk. All of our P.D. software is supplied on quality media.

HOW TO ORDER

We accept major credit cards. Please make cheques & P.O.'s payable to:
**P.D. DIRECT & SEND TO
DEPT. AF.
86 GEORGE STREET
NEWCASTLE
STAFFS
ST5 1DN**

PHONE or FAX

**0782
715255**



GAMES

PDG-1 Star Trek - The Final Frontier (2 disks)
PDG-2 Star Trek (3 disks - req 2 drives)
PDG-5 Card & Board Games
PDG-16 Monopoly, Cluedo & more
PDG-19 Destination Moonbase
PDG-21 Boing - The Game (2 disks)
PDG-29 Yacht C (Yachtzee) & others
PDG-31 Moria
PDG-32 Legen of Farghail
PDG-35 Pair It (Educational)
PDG-36 Snakes 'n' Ladders, Reversi
PDG-37 Super Quiz
PDG-46 Fruit Machine, Pool & Others
PDG-50 Sea Lance (Submarine simulation)
PDG-53 Megaball (Breakout style game)
PDG-54 Card Games (Harp Platt Queens)
PDG-59 Seven Tiles (Adventure)
PDG-60 Air Ace II
PDG-61 Electric Train Set
PDG-62 Spectrum Games Vol 1
PDG-63 Spectrum Games Vol 2
PDG-66 Puzzle Solve
PDG-67 Flaschbier
PDG-68 Collossus (Adventure)
PDG-69 Battle Force
PDG-70 Dripl
PDG-71 Llamatron (by Jeff Minter)
PDG-72 Op. Lemming (£3.00 Charityware)
PDG-73 Twintris
PDG-74 Wet Beavers Game
PDG-75 Tanx The Game
PDG-76 Cubulus (by T. Richter)
PDG-77 Star Trek - The Next Generation
PDG-78 Blizzard
PDG-79 Card Sharp
PDG-80 China Challenge II
PDG-81 Pom Pom Gunner
PDG-82 Wacko Jr. in Wonderland

MUSIC

PDM-5 MFI Electric CU TV
PDM-6 Wlnkers Song (2 disks)
PDM-8 Destination Docklands (Jarre)
PDM-9 Ride on Time & Batdance
PDM-19 Bad - Michael Jackson
PDM-20 Bat Dance
PDM-27 D-MOB Megamusic III
PDM-28 Enemies Music III
PDM-30 Digital Concert II
PDM-31 Digital Concert III
PDM-33 Hallowe'en "Follow the Sign" (2 disks)
PDM-35 "I think we're alone now" Tiffany
PDM-36 "Land of confusion" Genesis
PDM-38 Miami Vice Theme (4 disks)
PDM-40 MFI Vangelis Demo
PDM-65 Digital Concert IV
PDM-72 Popeye meets the Beach Boys
PDM-80 Digital Concert VI
PDM-82 Freddy Kruger
PDM-83 Kefrens Jukebox
PDM-85 Miami Vice "Crockett's Theme"
PDM-87 RIP Eruption
PDM-88 Slab Music
PDM-91 100 most remembered C64 tunes
PDM-95 Hi-fi demo
PDM-104 BassX #5 Power Remix
PDM-105 BassX#6 Sid Youngblood
PDM-106 Betty Boo
PDM-109 Depeche Mode
PDM-110 DMOB Music I
PDM-111 DMOB Music II
PDM-112 DMOB Music IV (2 disks)
PDM-117 Flash Gordon (2 disks)
PDM-118 Hatrick "Loadsamoney"
PDM-120 Laurel & Hardy (2 disks)
PDM-128 NASP v2.0
PDM-131 Pet Shop Boys Remix #1
PDM-132 Pet Shop Boys Remix #2

ANIMATIONS

PDA-7 Fantasy Slideshow
PDA-9 Knight Animation
PDA-10 Exploding Head Animation
PDA-12 Star Trek #2 (Agatron)
PDA-13 Star Trek #17 (Agatron)
PDA-14 Puggs in Space
PDA-18 Miller Lite Advert
PDA-42 Dragons Lair Demo
PDA-45 Monocycle & Sidecar (1Mb)
PDA-54 NASA Graphics
PDA-56 Newtek Demoreel #1 (2 disks, 1Mb)
PDA-57 Newtek Demoreel #2 (2 disks, 1Mb)
PDA-58 Paradise Slideshow
PDA-68 Walker Demo #1 (1Mb)
PDA-69 Walker Demo #1 (2Mb, 2 disks)
PDA-70 Walker Demo #2 (1Mb)
PDA-80 Walker Demo #2 (2Mb, 2 disks)
PDA-82 Enterprise Leaving Dock (Agatron)
PDA-81 Ray Trace Art
PDA-90 Jet Fighter Animation
PDA-92 D.Landers Sci-Fi Show #1
PDA-93 D. Landers Sci-Fi Show #2
PDA-108 Addams Family
PDA-110 Bruce Lee "Enter the Dragon"
PDA-111 Bruce Lee Slideshow #2
PDA-123 Stealthy Anims (Eric Schwartz)
PDA-124 Stealthy manoeuvre (E. Schwartz)
PDA-305 Anti-Lemmin' Demo (Eric Schwartz) (2Mb, 2 disks)
PDA-134 The Dating Game (E. Schwartz) (3Mb, 2 disks)

DEMOS

PDD-1 Anarchy Demo
PDD-4 Deathstar Megademo (2 disks)
PDD-7 Elvira Demo
PDD-14 RAF Megademo
PDD-16 Robocop Demo
PDD-20 SAE Demo #25
PDD-21 SAE Demo #32
PDD-31 Anarchy "Ooh it's obscene 3"
PDD-51 Hatrick #1
PDD-52 Hatrick #2 "Smashing Day Out"
PDD-55 Kefren's Megademo #8 (2 disks)
PDD-62 Northstar Megademo #2
PDD-70 Rebels Megademo
PDD-72 Red Sector Demo #4
PDD-73 SAE Demo #23
PDD-74 SAE Demo #36
PDD-75 Scoopex Demo
PDD-76 Scoopex Megademo
PDD-91 Trilogy Megademo #1
PDD-94 Vortex Megademo
PDD-96 Magnetic Fields Demo #36
PDD-97 Predators Megademo (2 disks)
PDD-107 Budbrain #1 (2 disks)
PDD-115 Magnetic Fields Demo #40
PDD-116 Magnetic Fields Demo #41
PDD-130 Chubby Brown Demo
PDD-131 Crionics Demo
PDD-132 Giants Megademo (2 disks)
PDD-134 Magnetic Fields Demo #45
PDD-145 SAE Demo #31
PDD-152 Flash "No Brain No Pain" (2 disks)
PDD-153 Billy Conolly Demo (2 disks)
PDD-160 Hatrick "Rave On"
PDD-177 Budbrain II
PDD-179 Crionics "Total Destruction"
PDD-186 Flash Demo #2
PDD-209 Rutger Demodisk
PDD-212 Space Pack #32

PACK 1

HOME BUSINESS PACK (P)

This 8 disk pack contains
Wordprocessor
Database
Spreadsheet
Amiga Spell
Memo Pad
Inventory etc. etc.

**A MUST FOR HOME ACCOUNTS!
£11.00**

PACK 5

MUSIC MAKERS PACK (P)

MED 3.20

Pro Tracker
Star Trekker v1.2
3-Songs Disks
4-Instrument Disks

**A MUST FOR MUSICIANS
£12.00**

PACK 2

DEMO PACK (10 Disks)

Budbrain 1 (2 disks)
Budbrain 2
Scoopex "Mental Hangover"
Crionics "Neverwhere"
Horizon "Sleeping Bag"
Poface "Pulling the Trigger"
Quartex "Substance"
Phenomena "Interspace"
Decay "Simpsons Demo"

**GREAT STARTER PACK
£12.00**

PACK 7

GAMES PACK

This new 12 disk pack contains:
Operation Lemming, Star Trek, Drip, Llamatron, Moria, Sealance, Cluedo, Monopoly, Seven Tiles, Pac Man, Battleships.

**PLUS LOADS MORE
(A500+ option available)
£15.00**

PACK 3

MUSIC PACK (10 Disks)

Vision Music Masters
Crusaders "Bacteria Music"
Crack Music Disk
Jetset Overload Music
RAF Megamix #1
Flash Digital Concert #6
Flashing Bytes "Sweet Songs 1"
Alcatraz "Panic Voices"
Crusaders Micro Concert
Archaos Music Disk

£12.00

CLIPART PACK

This is a collection of 13 disks. All are in IFF format and are ideal for desktop publishing. There are loads of images to choose from, ranging from fancy boarders to special occasions & people to places. They are super quality.

**ALL 13 DISKS FOR
£15.00**

ATTENTION AMIGA plus OWNERS!

We are in the midst of checking all of our disks to see what will not run with Workbench 2.04. Those that we have checked and found to be compatible are marked with a (P). It will take some time to check our library, so please tell us if you have a "PLUS" and we will advise you when you order.

ATTENTION PC OWNERS!

We now have a vast range of P.D. & Shareware for IBM compatibles. Available on 3.5" or 5.25" disks. Watch this space for details or give us a call for more information.

FRED FISH COLLECTION

**DISK No's 1 to 580
NOW AVAILABLE**

You deserve the best!

Now you can get the best... with PEN PAL!

A superb package, with immense power, to fulfil all your word processing requirements and... it includes a Database! It's all so easy to use, you probably won't need to refer to the extensive 250 page manual too often.

Whilst working, you can open up to four documents simultaneously (memory permitting), search and replace; cut, copy and paste; check your spelling with a 100,000+ word dictionary. You can import your favourite IFF/HAM graphics, from programs such as DPaint II or Clip Art files in various sizes and colours. You can automatically flow text around graphics in any Workbench compatible font (there are over 200 available styles), in different sizes and colours to suit your design... even as you type. All this from a word processor and... Much, Much, More!

As you can see, this is not just any ordinary word processor! Full Page View with position, edit and creation of graphic objects. Mail Merge using the built in database and forms designer. Creation of templates for complex reports, into which the database can be merged.

Operating with 32 fields per record, and 32,000 records per database with a fast sort of 1000 records in less than 5 seconds this is a *real* database.

Pen Pal requires an Amiga 500/1500/2000 or 3000 with a minimum of 1megabyte of available memory.

Pen Pal

When...you deserve the best!

£79.95

"...its handling of graphics is unsurpassed: Pen Pal is the only program I tested that will automatically wrap text around graphics..."

Amiga World...Jul. '90

"...without beating around the bush Pen Pal is very special..." - "There is little to fault Pen Pal and it deserves to do well."

Amiga Format...Dec. '90

"...I am extremely pleased with your product especially the Graphic Capabilities within the Word Processor. Having the Database on the same disk has made PEN PAL the best program I have..."

D.S.B., Plumstead, LONDON

"...Please let me tell you how amazed I am at how EASY IT IS TO USE PEN PAL. The manuals supplied are very informative and very clear..."

P.S.S., Clifton, NOTTINGHAM

"...A most excellent piece of software..."

E.P.H., Strathelyde, SCOTLAND

Gordon Harwood Computers
New Street
Alfreton
Derbyshire
DE5 7BP

Dear Sirs:

Hi! I am writing the letter using 'Pen Pal'. Normally I do not correspond with computer companies, but this time I had to make an exception.

I have been looking for a program that I could use to create colorful letters, word forms, and effective business graphics. I have purchased several Amiga word processors whose ads claim great claims as to their capabilities. After using these programs, however, I found that the ads were only hype! I soon began to feel that no program could do what I wanted to do.

Recently I saw your program 'Pen Pal' on my dealer's shelf. According to the package I thought that I might finally be on luck. Although I purchased the program I was told that it could do everything the package capabilities. After using these programs, however, I found that the ads were only hype! I soon began to feel that no program could do what I wanted to do.

As some of you get better from the company name I tried up the program on my computer. Without even reading the manual I was now creating documents with color and pictures. As you can see from the letter, I have become pretty good at your program's graphic capabilities.

One pleasant surprise I had was to discover that Pen Pal has a built in database. I have entered my Christmas cards for the year 1990. I will use Pen Pal to print the mailing database. When I send Christmas cards this year I will use Pen Pal to print the mailing database. When I send Christmas cards this year I will use Pen Pal to print the mailing database. When I send Christmas cards this year I will use Pen Pal to print the mailing database.

Thank you for making this program available.

Mr. Richard Goodwin

Trade Distributors...

SDL

Precision Software

CENTRESOFT

HBM HB MARKETING

Pen Pal Order Line



0773 836781

Pen Pal is also available from good computer stores everywhere!

Pen Pal is supplied into the UK through...

Gordon Harwood Computers New Street Alfreton Derbyshire DE5 7BP
Telephone: 0773 836781 Facsimile: 0773 831040

GORDON HARWOOD HARWOOD HARWOOD
Computers

WE AT OMEGA PROJECTS ARE COMMITTED TO OUR CUSTOMERS AND OFFER AN AFTER SALES SERVICE THAT IS SECOND TO NONE. WE WILL SUPPORT YOU AND YOUR PRODUCT FOR AS LONG AS YOU OWN IT, NOT JUST WHILE YOU HAVE A WARRANTY. WE HAVE OVER 10,000 SATISFIED CUSTOMERS WHO COME BACK TO US TIME & TIME AGAIN. WE ARE HERE TO HELP YOU, SO WHY NOT TRY US?

OMEGA PROJECTS (EUROPE) LTD

14 Derwent Close
Culcheth, Warrington
Cheshire, England
WA3 5DY

TEL: 0925-763946

ALL PRICES INCLUDE VAT.
WE TAKE ACCESS, VISA,
SWITCH, CHEQUES, P.O.
& WE EVEN TAKE CASH.

ACCELERATORS

GVP 1500/2000 COMBO CARD

Complete 68030 Accelerator System for the Amiga
22Mhz 68030 + 68882 + 1Meg + SCSI 599.95
33Mhz 68030 + 68882 + 4Meg + SCSI 999.95
50Mhz 68030 + 68882 + 4Meg + AT 1499.95
Expandable to 13Meg (22Mhz) or 16Meg 33/50Mhz)

MICROBOTICS VXL-30

The low cost alternative for all Amigas this card has provision on the board for a 68881/2 and can take up to 8 Meg of RAM.
25Mhz 68030 289.95
40Mhz 68030 389.95
25Mhz 68030+68882 439.95
40Mhz 68030+68882 569.95

OFFICIAL DISTRIBUTORS OF CSA MEGA-MIDGET RACER

The Mega-Midget Racer is the most established accelerator card for the A500/1500/2000. The beauty of this product above all the others is that you can upgrade it as your pocket can afford to, letting you use these power cards yourself at a price that you can afford. This card will also allow the use of 512K of static RAM giving you the option to put your kickstart into the super fast 32 bit memory. We also offer a 50% buy back policy if you upgrade this card later.

25Mhz EC68030 349.95
33Mhz EC68030 449.95
25Mhz 68882 149.95
33Mhz 68882 229.95
50Mhz 68882 299.95
2Meg 32 Bit RAM 219.95
4Meg 32 Bit RAM 449.95
8Meg 32 Bit RAM 699.95
SRAM 99.95

SPECIAL INTRODUCTORY OFFER

33Mhz Board + 33Mhz 68882 1179.00
+ 512K SRAM + 4 Meg 32 Bit RAM

HARD DRIVIN'

A1500/2000 CARDS

GVP Series II no drive 179.95
GVP Series II + 52 Meg 299.95
GVP Series II + 105 Meg 449.95
GVP Series II + 210 Meg 699.95
GVP Series II + 400 Meg 999.95
Nexus Card no drive 189.95
Nexus Card + 52 Meg 389.95
Nexus Card + 105 Meg 549.95
Nexus Card + 210 Meg 749.95
Nexus Card + 400 Meg 999.95
ICD Adidi-40 129.95
ICD Adidi-44 + 40 Meg DV 399.95
ICD ADSCSI 2080 179.95
Dataflyer 2000 89.95
Spirit Inmate 189.95

A500

GVP Impact + 52 meg 399.95
GVP Impact + 105 Meg 599.95
GVP Impact + 210 Meg 799.95
GVP Impact + 400 Meg 999.95
Supra XP no drive 189.95
Supra XP + 52 Meg 349.95
Supra XP + 105 Meg 499.95
Supra XP + 210 Meg 649.95
ICD Internal 40 Meg 399.95

BARE DRIVES

Quantum 52 Meg 209.95
Quantum 105 Meg 324.95
Quantum 210 Meg 624.95
Quantum 400 Meg 824.95
Quantum 40 Meg Go-Drive 299.95
Syquest 44 Meg removable 379.95
Syquest 88 Meg removable 479.95
Seagate 49 Meg 175.00

MEMORY & CHIPS

GVP 8 Meg inc. 2 Meg 179.95
Supra RAM RX-500 + 1M 139.95
Supra RAM RX-500 + 2M 159.95
1 x 9 SIMMS per 2 Meg 69.95
4 x 9 SIMMS per 8 Meg 299.95
41256 (256 x 1) 1.00
44256 (256 x 4) 3.95
1 Meg GVP SIMM for Combo 69.95
4 Meg GVP SIMM for Combo 249.95

SOUND ENHANCER

HEAR YOUR AMIGA LIKE YOU'VE NEVER HEARD IT BEFORE. OVER 700 UNITS SOLD IN FIRST 8 WEEKS OF RELEASE.

A quote from ONE of many returned registration cards
"THE DIFFERENCE IS LIKE TAKING COTTON WOOL OUT OF YOUR EARS"

MONEY BACK
SATISFACTION
GUARANTEE

100% COMPATIBLE WITH ALL SOFTWARE

34.95

BUY NOW
AND SAVE
5.00

SCSI TAPE STREAMERS

FROM 399.95

PRICE INCLUDES
AMI-BACK SOFTWARE

AMI-BACK

THE PROFESSIONAL HARD DISK BACKUP
UTILITY WITH FULL SCSI TAPE STREAMER
SUPPORT PLUS UP TO 4 FLOPPY DRIVES
PLUS EVENT SCHEDULER
DOS 2.0
COMPATIBLE 49.95

A.B.O.T.S

VISA

A BIT ON THE SIDE (A.B.O.T.S) PD

VISA

A.B.O.T.S

(Dept MAF) 8 Thorold Place, Kirk Sandall, Doncaster DN3 1NU. Tel or Fax: (0302) 887332

All titles will work on the 1.3. All titles marked with a + sign will also work on the new Amiga+

All telephone orders received before 3.30pm will be sent out the same day by first class post on branded disks.

No charge for postage. We stock the full range of Deja Vu titles.

Please ring for details

*Prices are 95p per disk for orders over 10 disks. £1.25 per disk for up to 10 disks.

Cat disk sent free with orders of 5 disks or more* *Denotes 1Mb needed (?) denotes how many disks.

UTILITIES

U590 Wosname database + U1589 A-Gene 3.125 *
U578 Fractal Generator U1605 McCad *
U1049 Clipart (People) U1606 Med 3.2 +
U1050 Clipart (Sports) U1636 Ultrapaint V3.0 +
U1122 Dynamite Fonts + U1637 Amicash V1.0 +
U1217 New Superkillers + U1643 Super W/B 1.7 *
U1323 Amibase 3.76 * U1659 Imploder V4.0 +
U1325 600 Letters + U1723 Word Power V1.1 +
U1327 Desktop Publisher + U1724 Crunch & Copy II +
U1329 Dynamite Fonts II U1727 Optiutils 1 +
U1421 X-Word Creator + U1728 Optiutils II +
U1425 RSI Extras 1 U1729 Opticomm 1 +
U1426 RSI Extras 2 U1731 Text Engine V3 +
U1487 Electrocad V1.4 * U1732 Anti-virus V3.2 *
U1528 Text Plus V3 +

SLIDESHOWS/ANIMS

S722 Total Recall + S1272 Dr. Who +
A902 Batman + S1306 Kim Wilde +
S1026 Flintstones + S1407 Magician V2.0 +
S1032 Mages Staff * S1409 Rambo +
A1056 Coyote + S1479 Alien (2) (2D) +
A1058 Mars Flight + S1482 Terminator II (2) +
A1060 Amy vs Walker + S1485 Vietnam Conflict +
A1076 Robocop * S1514 Life on Earth +
A1119 Basketball + A1515 Taxi Driver *
S1253 Purdey + S1544 Turtles +
S1254 Rainbow + S1545 Fantasy Art (2) +
S1255 Invisible World + A1602 Boings *
S1268 The Prisoner + S1740 Aliens +
S1269 WWF + S1747 Bloodsport +
S1759 Black Adder II +

GAMES

G221 Moria * G1627 Tomcat +
G300 Star Trek (2) + G1628 Battlecars +
G414 Return Earth + G1629 Super Skoda +
G1024 Wizzy's Quest + G1630 NU +
G1039 Zeus + G1631 Lamer +
G1115 Megaball + G1632 Tarot II (2) +
G1116 Sealance + G1633 Card Games *
G1281 Mental Image * G1674 Assassins 14 *
G1456 Atic Atac + G1675 Wastelands +
G1459 No Mans Land + G1676 Survivor +
G1461 Skate Tribe + G1720 Mid Thief *
G1492 Raid II + G1721 Fwuff +
G1562 Insiders Club G1722 Storyland 2 *
G1598 Assassins 13 * G1762 Jetman *
G1765 Atlantis +

DEMOS

D128 RAF Megademo (2)
D280 Red Sector MDemo (2)
D575 Neverwhere *
D806 Cardoman *
D842 Ultimate FX

D943 System Violation
D998 Innerspace
D1003 Enigma +
D1090 Global Trash
D1219 Virtual World *

D1220 Ice *
D1749 Odyssey (5) (2D)
D1750 Hardwired (2) *
D1753 Punisher +
D1766 Labyrinth *

Our catalogue disk contains descriptions of nearly 2000 disks. Please make all cheques/postal orders to A.B.O.T.S. PD

Overseas prices: EEC £2 per disk (minimum of 5 disks). Non EEC £2.50 per disk (minimum of 5 disks)

Money orders etc to accompany orders from abroad

Sequencer One

On the second Coverdisk of the Christmas special issue we brought you the best special offer you could have: the complete **Sequencer One** music package, RRP £89, for next to nothing. If you missed out, you can get your copy from Back Issues for only £5. But it doesn't stop there! Make the most of **Sequencer One** by taking advantage of the **host of extras** which build up the **most powerful easy-to-use music-making system** there is!



Sequencer One, the excellent beginners' music program we gave away with Issue 30. If you missed out, get it now from our Back Issues department on Page 184!

THE HIT KIT!

A music composition system to use with both *Sequencer One* and *Sequencer One Plus*. It can help you to create professional-sounding drum tracks, bass lines and other accompaniments in a wide range of musical styles (eg ballad, blues, house, disco, latin, reggae or techno). Very little previous musical knowledge is needed to obtain frighteningly rapid results! Can you write a number one hit? Here's the kit to help you, only £24.95 (RRP £29.95)!



SAVE £5!

Description	Price	Order No
The Hit Kit!	£24.95	AM237



SAVE £90!

SEQUENCER ONE PLUS UPGRADE KIT

Don't miss out on this incredible offer! Upgrade to *Sequencer One Plus* to take advantage of a host of extra features including the unique Juke Box screen and Gajits' new 'Diamond Drag' note editing system. Also includes: tempo maps, auto count in, MIDI sys ex handling, track solo, extra quantise options, and much more! All of this will sell for £129.95 (RRP). For a short time only, *Sequencer One Plus* is available as an upgrade kit for *Sequencer One* owners (and that includes everyone who has the program from **Amiga Format** Coverdisk 30) at just £49.95 (RRP). But we're offering it to you at a mere £39.95 for an amazing total saving of £90!

Description	Price	Order No
Sequencer One Plus	£39.95	AM235



SEQUENCER ONE USER GUIDE

Contains not only the full program User Guide but also a personal User Registration Card. The User Guide includes a beginners' introduction to sequencing and MIDI, lots of helpful illustrations and

examples, and a full index. The User Registration Card entitles you to free update information and the Gajits Telephone Helpline support service. You can benefit from all of this for the special price of only £6.95!

Description	Price	Order No
Sequencer One User Guide	£6.95	AM236



SAVE UP TO £25!

THE SAMPLE SERIES

A collection of five volumes of IFF format digital sound samples for use with *Sequencer One* and *Sequencer One Plus* (as well as other programs using IFF samples). Each volume contains up to 80 high-quality samples and includes a specially-written demo song to demonstrate the capabilities of the samples.

There are five volumes to collect:

1. Percussion and Effects
2. Guitars and Strings
3. Brass and Woodwind
4. Synth and Vocals
5. Piano and Keyboards

Each volume costs just £9.95 here (RRP £12.95).

The complete set can be bought for only £39.95, saving you nearly £25!

Description	Price	Order No
Sample Series 1: Percussion	£9.95	AM238
Description	Price	Order No
Sample Series 2: Guitars	£9.95	AM239
Description	Price	Order No
Sample Series 3: Brass	£9.95	AM240
Description	Price	Order No
Sample Series 4: Synth	£9.95	AM241
Description	Price	Order No
Sample Series 5: Piano	£9.95	AM242
Description	Price	Order No
Sample Series Complete Set	£39.95	AM243

All prices include postage, packing and VAT



No Hidden Extras



HOTLINE 0458 74011

Graphics Workshop

A FUTURE BOOK

Graphics Workshop

Powerful paint and animation at your fingertips!

AMIGA
FORMAT



The complete Amiga Format guide to getting the best from Graphics Workshop, with full explanations of all the advanced paint and animation features plus tutorials, hints and techniques

IN ASSOCIATION WITH
HOLOSFT TECHNOLOGIES

The *Graphics Workshop*, which we gave you for practically nothing on the Coverdisk of our Christmas Special issue, is a powerful paint and animation program. In no time, you'll discover what an excellent package it is, and want to use it more. Why not get the most out of it by buying the full instruction book and tutorial guide, specially rewritten by **Amiga Format**!

AND REMEMBER!

If you missed out on Issue 30 and your copy of *Graphics Workshop*, you can order the magazine from our back issues (Page 164) for only £5!

Only £14.95
including tutorial disk

Order form

Name _____

Address _____

Post code _____

Telephone No. _____

SEND THIS FORM TO:
Amiga Format,
Future Publishing
Ltd, Freepost,
Somerton,
Somerset, TA11 7BR

Description	Price	Order No.
Total Order		

No stamp required
if posted in the
United Kingdom,
Channel Island or
the Isle of Man

For overseas orders
call Nikki for prices
on 0458 74011

Method of payment (please circle) Access ● Visa ● Cheque ● PO

Please make all cheques payable to Future Publishing Limited.

Credit Card No. _____

Expiry Date _____

Micromail YOUR *BEST* PRICE



Amiga 500 Plus Cartoon Classics

Cartoon classics Superdeal I
Amiga 500 plus 1 Mb computer,
featuring: Lemmings
The Simpsons, Captain
planet and Delux paint III
plus: Joystick, A520 Video Adapter,
Mouse mat and Dust cover

£333.95

Cartoon classics Superdeal II
Amiga 500 plus 1 Mb computer,
Commodore 1084sp1 colour
monitor, featuring: software as
Superdeal 1, plus: Joystick,
10 Hit games, PD Spreadsheet
and Data base, Word processing,
10 Disks and additional
Dust cover.

£578.95

Educational Superdeals
Maths mania, Better spelling,
Hooray Henrietta and
Text plus.

At a special price of £55.00

When purchased with any
of the Classic cartoon
Superdeals.

**ALL PRICES INCLUDE
VAT UNLESS
OTHERWISE STATED**

**ALL MAJOR
CREDIT CARDS
ACCEPTED**

Monitors

Phillips CM8833 MKII colour	£229.00
Commodore 1084Sd1 colour	£219.00
Commodore 1083Sp1 colour	£219.00
Commodore 1950 M-sync	£586.00



Printers

All printers come with leads

Star LC20 mono	£149.00
Star LC24-200 mono	£235.00
Star LC24-200 colour	£275.00
Star LC200 9 pin colour	£195.00
Star XB24	£369.95
HP Deskjet mono	£323.00
HP Deskjet colour	£583.00
HP Laserjet IIIP	£937.00
HP Laserjet III	£1192.00
HP Paintjet	£540.50



Accessories

Amiga 500 Dust cover	£3.99
Monitor Dust cover	£4.99
Star LC24-200 Dust cover	£4.99
Star LC200 Dust cover	£4.99
Monitor stand	£12.99
Printer stand	£7.99
Joystick cable	£5.99
Mouse mat	£3.99
Naksha mouse	£24.99
Squick mouse PC	£17.99
Squick mouse A500	£24.99
Roboswitch	£9.99
Parallel printer lead	£10.99
Commodore A501 RAM	£39.99
Virgo RAM	£29.99
Control centre	£44.95
10 Disk box	£3.99
40 Disk box	£4.99
80 Disk box	£7.99
120 Disk box	£10.99
Rendel genlock	P.O.A

Consumables

Printer paper	£12.99
Disks, 50 unbranded	£20.00
LC200 ribbon mono	£5.50
LC200 ribbon colour	£11.00
LC24-200 ribbon mono	£5.00
LC24-200 ribbon colour	£12.50

Sega

Sega game gear	£89.99
Sega game gear TV tuner	£72.99
Sega master system II	£54.99
Sega mega drive	£119.99



GOVERNMENT-INDUSTRY AND EDUCATIONAL
ORDERS WELCOME.

VISIT OUR SHOWROOMS; OPEN MON TO SAT 9-5.30 OR RING

AMIGA SPECIALISTS

Superdeals

Cartoon classics Superdeal III
Amiga 500 plus 1Mb computer,
Commodore 1084sp1 colour
monitor, Star LC200
colour printer featuring:
software as Superdeal 1,
plus: Joystick, 20 Hit games,
PD spreadsheet and Data base,
Word processing and two
additional Dust covers.

£791.95

**FREE
MEMBERSHIP
TO
OUR SOFTWARE
DISCOUNT CLUB
FOR
PURCHASES
OVER
£25.00**



SUPERDEALS OF THE MONTH

**UNIVERSAL
PRINTER STAND
AVE. LIST PRICE £7.99
SUPERDEAL PRICE
£3.99**

**MOUSE MAT, DUST COVER,
10 BLANK DISKS
AVE. LIST PRICE £13.97
SUPERDEAL PRICE
£8.99**

Disk Drives

G.V.P hard drive 52 meg	£379.00
Cumana disk drive	£57.95
Rotec disk drive	£57.95
Rodite disk drive	£59.00



Amiga Software

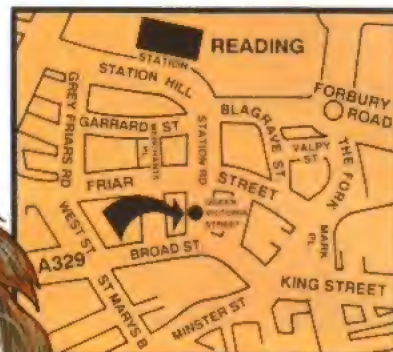
Populous II	£18.99
Turbo challenge II	£17.50
Agony	£18.50
Elvira 2	£24.50
Eye of the Beholder 2	£23.99
Microprose Grand Prix	£24.99
Air Support	£18.50
Video Kid	£18.50
EPIC	£18.50
Mercenary 3	£20.99
Ultima 6	£21.99
A320 Airbus	£25.99
Microprose Golf	£22.99
Ork	£18.50
Compendium 6	£31.99
Funschool 2	£15.50
Funschool 3	£17.50
Funschool 4	£17.50

Joysticks

Apache 1	£7.99
Python 1.m	£10.99
Jet fighter	£11.99
Superboards	£14.99
Top star	£20.99
Quickjoy M5 (IBM)	£15.99
Comp pro & card	£26.99
... and many others	

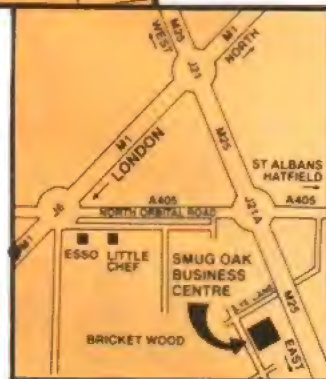


YOUR NEAREST MICROMAIL SHOWROOM



**0734
505
514**

**0923
894
111**



How to order

Next day delivery for credit card orders placed before 3.00pm subject to availability. Alternatively send cheque/ postal order to Micromail Ltd, Unit 9, Smug Oak Centre, Lye Lane, Bricketwood, St. Albans, AL2 3UG. Please allow 5 working days for cheque clearance. Subject to availability despatch is normally within 24 hours of receipt of cleared payment.

DELIVERY CHARGES; UK	Mainland (not Highlands)
Small consumables & software items	Despatched by post, please check charges when ordering.
Other items except lasers	Next day courier service, £10.00 per box
Laser printers	Next day courier service, £17.50
Offshore & Highlands	Normal rate plus £10.00 + VAT per box
In addition we have the following express service:	
Saturday deliveries	Normal rate plus £10.00 + VAT, surcharge
7am - 9am next day	Normal rate plus £10.00 + VAT, surcharge
am next day	Normal rate plus £10.00 + VAT, surcharge (the above surcharges are per box)

Prices are subject to change without notice E & O E



Unit 9
Smug Oak Business Centre
Lye lane, Bricketwood,
St Albans AL2 3UG

Tel. (0923) 894111-8 lines open
Fax. (0923) 894143

8 Queen Victoria Street
Reading
Berkshire

Tel. (0734) 505514

OUR SALES HOT LINE 0923 894111 FOR NEXT DAY DELIVERY

**AMOS**

They call it The Creator! A superb easy-to-use programming language for creating games, educational programs – almost anything! Comes complete with *AMOS Sprites 600*. LATEST VERSION!

Description	Price	Order No
AMOS	£35.95	AM168

**Stereo Master**

This updated version of Microdeal's *MasterSound* is an ideal entry level sound sampler. Its numerous features and improved easy-to-use graphic interface make this an excellent bargain for budding music freaks.

Description	Price	Order No
Stereo Master	£29.99	AM234

**AF T-shirt**

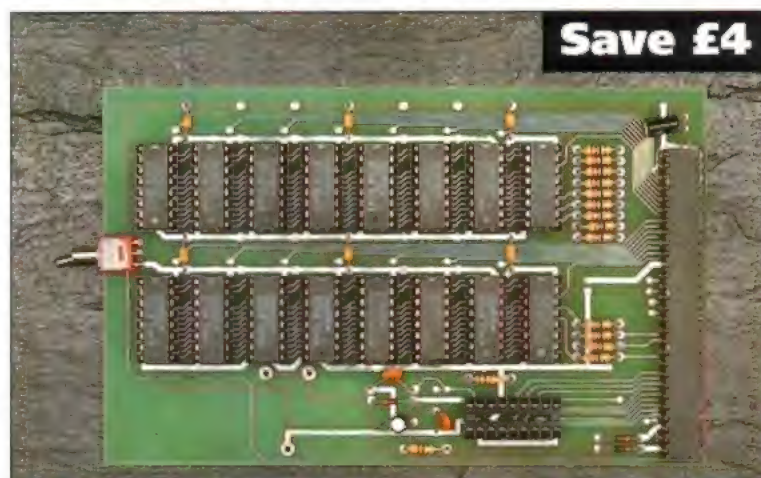
The new exclusive limited-edition **Amiga Format** T-shirt is now available to **Amiga Format** readers. It features the 'Lichtenstein' pop-art cover of Issue 20 in a large four-colour back print, new logo on the front.

Description	Price	Order No
Amiga Format T-shirt	£8.99	AM225

Amiga Format

Mail Order

We've picked out the best and we bring it to you at a bargain price!

512K Expansion**Save £4**

Made by WTS in the UK, this isn't the most glamorous memory expansion you'll ever see; but it gets the job done and it means we can bring 512K users the memory expansion you need at the lowest possible price! It also comes with a battery-backed-up clock, so you need never set the time again. More and more software is being produced that will only work properly on a one Megabyte machine: and if you don't have an expansion, you're missing out on the complete full-price programs, like *Vista*, brought to you on this month's Coverdisk. Imagine: spend £25.99 and you can use a program that's worth £60!

Description	Price	Order No
512K RAM Expansion	£25.99	AM237

Fun School 4**Save £7**

The latest versions of the top-selling home educational programs are here! The *Fun School* series aims to teach basic skills to children via enjoyable games. The new series comes in three different flavours, aimed at three age groups: Teddy looks after the under fives, Freddie the Frog caters for the five-to-seven year olds, while Sammy the Spy is there for eight-to-elevens. Each age level has six different games, which teaches and tests different facts and concepts.

Description	Price	Order No
Teddy Disk	£17.99	AM231
Frog Disk	£17.99	AM232
SpY Disk	£17.99	AM233


SAVE £6

Oh No! More Lemmings

Who could complain about getting more of the top game of 1991! This adds another 100 levels to the original, and we're offering you the stand-alone version, so you don't need the original *Lemmings* to play it!

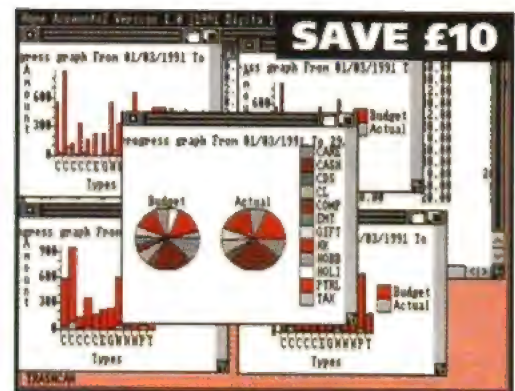
Description	Price	Order No
Oh No! More Lemmings	£19.99	AM236


SAVE £7

Celtic Legends

Huge, beautifully-presented and intriguing game based around a board-game-style hex system, with the emphasis on combat. Absorbing and intelligent: rated 85 per cent in *Amiga Format* Issue 30.

Description	Price	Order No
Celtic Legends	£23.99	AM235


SAVE £10

Home Accounts 2

Described by *Amiga Format* as "a package which will suit any household", this is the ideal way to keep track of your financial affairs, from what's in your cheque account to how much is left after the bills!

Description	Price	Order No
Home Accounts 2	£44.99	AM229

Back Issues

Why miss out on invaluable information just because you didn't buy an issue when it went on sale? Back issues even come complete with the original Coverdisk: see Pages 164-5 to find out what was in each issue. While you're about it, why not get a binder to collect your new issues?

ISSUE	Price	Order No
Issue 14	£4.00	AMF14
Issue 16	£4.00	AMF16
Issue 17	£4.00	AMF17
Issue 19	£4.00	AMF19
Issue 21	£4.00	AMF21
Issue 22	£4.00	AMF22
Issue 23	£5.00	AMF23
Issue 24	£5.00	AMF24
Issue 25	£4.00	AMF25
Issue 27	£4.00	AMF27
Issue 28	£4.00	AMF28
Issue 29	£5.00	AMF29
Issue 30	£5.00	AMF30
Issue 31	£4.00	AMF31
Issue 32	£4.00	AMF32
One binder	£4.95	AM108
Two binders	£9.00	AM109



All prices include postage, packing and VAT

No Hidden Extras **HOTLINE 0458 74011**


SAVE £6

Naksha Mouse & Tracey

Improve your mouse control with this high-quality replacement mouse. It comes with Tracey, a special tool (RRP £7.99 but free to you!) which will allow you to trace pictures with the aid of your mouse.

Description	Price	Order No
Naksha Mouse and Tracey	£28.99	AM191


SAVE £8

Technosound Turbo

The updated sampler from New Dimensions will not only grab digitised sounds but also allows you to sequence them into full compositions. It even features MIDI linking, so you can use it with MIDI instruments.

Description	Price	Order No
Technosound Turbo	£27.99	AM199

See our remarkable Subscription offer on Page 164!

Amiga Format Mail Order

Name _____
 Address _____

 Post code _____
 Telephone No. _____

SEND THIS FORM TO:
Amiga Format,
Future Publishing
Ltd, Freepost,
Somerton,
Somerset, TA11 7BR

Description	Price	Order No.
Total Order		

No stamp required
if posted in the
United Kingdom,
Channel Islands or
the Isle of Man

For overseas orders
call Nikki for prices
on 0458 74011

Method of payment (please circle) Access • Visa • Cheque • PO
 Please make all cheques payable to **Future Publishing Limited**.
 Credit Card No. _____

Expiry Date _____

THE COMPUTER GAMES OLYMPIAD 1992

What Is It? For the first time ever, Amiga game players are invited to take part in the first multi format games competition with the chances to win prizes and the coveted best games player award.

What Else Can You Win? Awards will be given for style, gameplay and high scores. Prizes will be given both at regional and final levels and will include International Holidays including trips to Disneyworld, £10,000 Cash prizes, Computers, and Computer Games. Each entrant will also be given a certificate of attendance stating their position gained and the overall rating given by the adjudicators. Due to our unique system, every one in four entrants will be winners.

Where Is It? As much as possible we have tried to keep travel down to a minimum. On the right is a list of towns which will all have regional heats. Any other towns or areas that have a large registration count will also be included in the regional heats. The finals will be held in London at Wembley on the 25th September 1992.

How Do You Enter? Easy, just fill in your registration card below and send it with your registration fee to the Olympiad Committee at the address below before the final registration date May 1st. On receipt of your application all your details will be placed into our competition database and your entrance number and ticket will be despatched to you as well as a complimentary spectator ticket for a friend. On May 4th you will be sent confirmation of the date of your local regional heat and the venue.

Which Category Will You Be In? Categories will be by computer or console type, age, and game type.

What Games Do You Compete On? For the regional heats you choose your three favourite games and will compete on at least two. For the finals you will be offered a new choice of combat weapons.

How Will The Competition Work? For maximum enjoyment each round will include competing both against other competitors as well as the computer or console itself. All entrants are guaranteed at least 20 mins gameplay. Each region will produce 20-25 winners to go on to the finals.

Are There Any Limitations To Entrance? Yes. There will be a maximum of 10,000 competitors. The minimum age for entrants is 13.

Where Can I Get More Information? Call either of the registration Hot Lines for more details.

VENUES

Aberdeen
Bath
Birmingham
Bournemouth
Brighton
Bristol
Cambridge
Cardiff
Dover
Edinburgh
Exeter
Glasgow
Gloucester
Guildford
Hereford
Hull
Leeds
Leicester
Lincoln
Liverpool
London N/S/E/W
Luton
Maidstone
Manchester
Middlesbrough
Newcastle
Northampton
Norwich
Nottingham
Oxford
Perth
Plymouth
Preston
Salisbury
Sheffield
Shrewbury
Southampton
Stoke-on-Trent
Taunton
York

THIS FORM CAN BE PHOTOCOPIED

THE OLYMPIAD COMMITTEE,
SPIKE ISLAND ~ 7, ESSENDON,
HERTS. AL9 6JF

OLYMPIAD 1992 REGISTRATION FORM

REGISTRATION HOT LINE:
MON-FRI 8AM-6PM (0707) 665980
MON-FRI 8AM-6PM (081) 568 1429

Computer or Console make: Amiga/Atari/Nintendo/Acorn/PC/Sega Model: _____

Title: Mr/Miss/Mrs _____

Name: _____

Address: _____

Postcode: _____

Daytime Tel No: _____

Evening Tel No: _____

Age _____ Occupation: _____

Right or Left handed: _____

Top 3 Favoured Games

Hi-Score / Level

1 _____

2 _____

3 _____

Preferred times to Play: Evenings/Weekends (Leave blank if either time is acceptable).
Please find enclosed my cheque/Postal Order for the sum of £10.00 made payable to Barclay Computer Services Ltd in respect of my registration fee with the Olympiad Committee for the 1992 Computer Games Olympiad.

Signature: _____ Date: _____

WHAT YOU'VE MISSED IF YOU DIDN'T READ THE FIRST TWO EXCITING INSTALMENTS...

The idea of this series is to introduce all you new Amiga owners to the Workbench disk and its many uses. We're taking it fairly slowly so far, the idea being to make sure you understand what's going on at each stage.

In the first part (Issue 31, February 1992) we took a look at the concept of what Workbench is there for, its basic functions, and a little bit of background about how the computer works. Most of this is just useful ideas, so you don't necessarily have to have read it to proceed with this month's.

In the second part (Issue 32, March 1992) we covered the basic mouse movements you have to make when you are using Workbench, and their names: clicking, double-clicking, selecting and so on. If you don't understand any of these terms, you ought to read last issue's article. We also went through the practical task of formatting a disk.

If you feel the need to read either of these articles - and we would recommend it - copies of the two previous magazines are available from our Back Issues department on Page 164.

Getting to grips with Workbench

In part three of this cunningly contrived series for anyone who is new to the Amiga, **Damien Noonan** shows how just a few basic techniques can give you control over the real heart of the Workbench.



The results of the ground work of last issue's lesson: a formatted disk.

Right, by the end of Part Two of this series, all we had managed to do was format a disk and give it a name. Not exactly a stunning amount of progress for two months' work, was it? Well, don't worry. We've learnt an awful lot of simple background stuff so far, and from here on in you'll find that things progress very rapidly indeed.

What we're going to cover this month is all those 'housekeeping' operations we discussed in Part One. In other words, all the most important Workbench functions. First, though, we'll need a file on a disk that we can do those things to. Take your blank disk, ready formatted for use on the Amiga, from the last issue. Save a picture onto it from *Deluxe Paint* (remember, any piece of information on a disk is a file, so a picture is a file).

Once you've got a file on a disk, there are three basic things you can do to it: move it to another place, duplicate

it, or get rid of it. We'll explain how to do all three of these basic house-keeping jobs in this part of the series. But first we'll need somewhere to move your file to: so we'll create a drawer. Here goes!



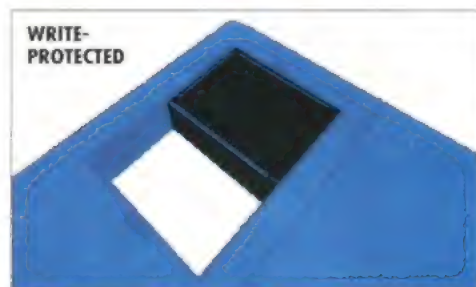
There are three basic things you can do with 'My Pic'; read on to find out what.

Hang on! Just before we start, the way things are done is different according to whether you're using Workbench 1.3 or Workbench 2: and it's different again if you're using the Shell. So we've done the whole thing in separate chunks according to which of these you are using: you would be best advised to read them all, in order, but you can skip through just the ones you want, for a step-by-step practical guide, if you so wish.

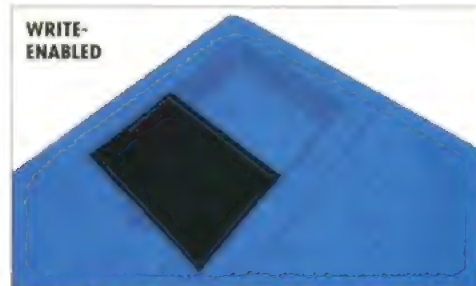
One last comment: throughout this month's experiments, you must leave the blank, formatted disk (the one that now has your *Deluxe Paint* picture on it) 'write-enabled'. Move the tab in the corner of the disk so that the hole is covered up.

NOT SURE HOW TO SAVE TO A BLANK DISK?

The most common mistake people who are new to the Amiga make is saving *Deluxe Paint* pictures onto the *Deluxe Paint* disk. Don't! Here's how to avoid it...



With the small tab in the corner of the disk moved so that the hole shows, all data on the disk is safe.

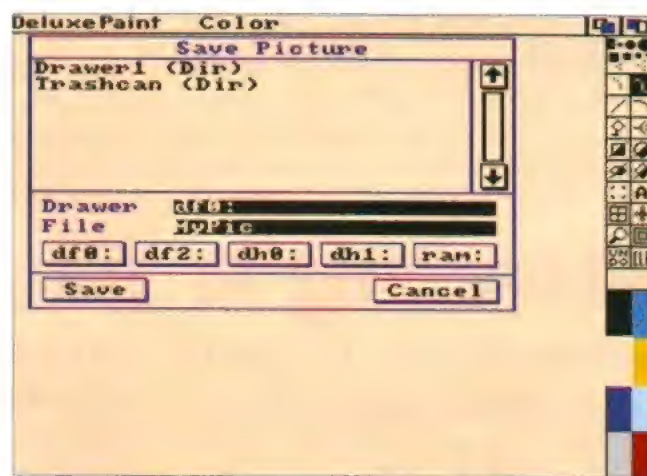


With the tab moved so that the hole is covered up, you can save new data to the disk.

Your *Deluxe Paint* disk should always be write-protected (move the tab that is in the corner of the disk so the hole is showing) because that way you can't save anything onto it, so there's less chance of you damaging the program on the disk.

All right, so how do you save a picture to a blank disk? Well, it's easy enough. There you are, with your picture all finished and ready to be preserved for posterity, and your *Deluxe Paint* disk in the disk drive. Go to the Save menu option from the Files menu. The Save box, known as a requester, will appear.

Now take the *Deluxe Paint* disk out of the disk drive, put your blank disk in, and click on the button marked DF0: at the bottom of the box. This tells your computer that you want to switch to the disk that's now in the internal disk drive, and if you've got any files on that disk already it will bring up a list of them on the screen.

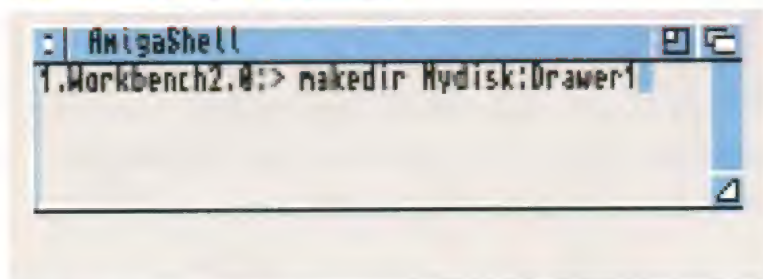


When you've selected the 'Save' menu, you should make sure to take your *Deluxe Paint* disk out of the disk drive and put your blank disk in.

Now all you have to do is type in a name for your picture file (you may have to click over the black bar where the name goes to make it active) and then click on the Save button at the bottom of the requester box. And it's done! In no time at all, this kind of procedure for saving and loading files on other disks will become second nature.

Creating a new drawer

THE CLI OR SHELL



Remember that to get to the Shell screen, you double-click on the Shell icon on the Workbench disk window. Now type in the command and press the Return key.

This is also terribly easy. You need to use the Makedir command, which obviously enough means 'make a directory' (a directory being the other name for a drawer, if you recall).

There are two important things you need to tell the Amiga: where you want the directory to be and what you want the directory to be called. The disk name is always followed by a colon (:), to tell the Amiga to look for a disk with that name. My disk is called Mydisk, but if yours is called something else just put that in instead: but don't forget the colon! Equally, you could put whatever you want for the drawer name. Type the following and press the Return key:

```
mkdir Mydisk:Drawer1
```

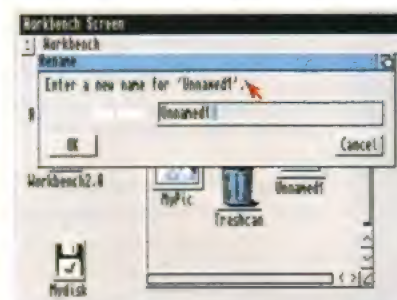
You may have to swap disks a couple of times, but eventually your new drawer will be created. When the prompt reappears to show the Amiga is ready, type endcli and press the Return key. If you open the disk's window on Workbench, you will now be able to see your new drawer.

WORKBENCH 2

This is terribly easy for all the lucky Workbench 2 owners out there: if you had Workbench 1.3, you'd have to go through the whole unpleasant rigmarole of copying a drawer and renaming it.



Make sure the window with the coloured border is the one you want the drawer in.



This box will pop up automatically for you to type in a name for your new drawer.

We'll assume you've loaded up Workbench: now take your Workbench disk out and put in your blank disk with the DPaint picture on. Double-click on the disk's icon to open the window displaying its contents. Now select the 'New drawer' option from the 'Window' menu. You may be asked to swap disks a couple of times, but before long a new drawer will pop up along with a requester box.

The new drawer will be called 'Unnamed1' and the requester box allows you to rename it straight away. Use the backspace key to get rid of the letters that are there and type in your new name - call it Drawer1 - then press OK, and there's your new drawer.

When you're doing this in future, make sure that the disk window you want to create a drawer in is highlighted, otherwise you'll get a drawer somewhere else.

Copying a drawer

WORKBENCH 1.3



Find the Empty drawer on your Workbench disk.

With Workbench 1.3 you can't actually create a new drawer, so we'll have to cheat by copying an empty drawer from somewhere else. Load Workbench, then

put your blank disk with the Deluxe Paint picture into the disk drive. Double-click on the disk icon to open the window showing the disk's contents.

Every Workbench 1.3 disk has a drawer on it called Empty. Double-click on the Workbench 1.3 disk icon, insert the disk when it asks you to, and in the window showing the Workbench 1.3 disk's contents you should be able to see this Empty drawer.

Now drag the Empty drawer from the Workbench disk window into the window of your blank disk. When you do this, the Empty drawer is copied onto your disk. Notice that the original stays where it is, on the Workbench disk. You'll find out more about why in a few moments, when we get on to copying files.



Select your drawer and choose the "Rename" menu option.

You'll want to rename your drawer rather than have it called Empty, so do that: the process is exactly the same as renaming a disk, which we did last issue.

Moving a file

WORKBENCH 1.3 AND WORKBENCH 2



You can put a file into a drawer simply by dragging it onto the top of the drawer icon...



...or you can open the drawer's window first, and drag your file from one open window to the other.

This really couldn't be simpler. All you have to do is drag the icon of a file from where it is to where you want it to go.

There are two different ways to do this. You can drag the file icon on top of the drawer icon and let go, and the file will drop into the drawer: if you now open the drawer's window, there is your file! Alternatively, you can open the drawer's window first, and drag the file's icon from the disk's window into the drawer's window. Both ways work fine. Easy, eh?

Just in case you don't remember how to drag an icon, you simply hold down the left mouse button.

AMIGA FAULTS REPAIRED

Quality work done from

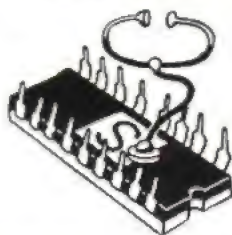
only £23.50

A500, 1000, 1500, 2000 & A590
also monitors, 1084, Philips

For peace of mind, speed &
postage charges paid, call
for our fixed price offer
anywhere in the UK!

**Includes free piece
of software!**

AMIGA NEEDS HELP??



STAR ASSOC. COMPUTERS

Ring Our Engineers on

081 - 961 5366/4412

RECOMMENDED UPGRADES FITTED!

(Or supplied)

1Mb-8Mb Mem upgrades
Emulators
Double sided/drives
Hard disk drives
+ more

**SPARES ALSO
AVAILABLE**

Shop 10, Bridge Park, Harrow Road, Brentfield, London NW10 0RG



AMIGA CONSOLE UNIT
Monitor console and keyboard unit.
Second drive space.
No hard drive restrictions
Power supply or modulator space
Keeps cables tidy.
Non-magnetic aluminium.
High quality texture finish.
Plenty of ventilation.
Installed in minutes.
Designed specifically for the A500
and 500+
Colour co-ordinated.

YOUR AMIGA
LIKE THIS FOR ONLY
£34.95 including postage
& packing.

A REAL SPACE SAVER!
100's of satisfied customers.

KONTAX COMPUTERS

11a Waldeck House
Waldeck Road
Maidenhead,
SL6 8BR



0628 773212



\$1000
★ ★ ★
USE YOUR VOICE
★ ★ ★
TO
OUTDRAW THE GUNFIGHTER
★ ★ ★
DEAD OR ALIVE CASH PRIZES

WIN-A-SEGA MEGA-DRIVE
★ ★ ★
16 BIT
★ ★ ★
0898 313577

CASH PRIZES
★ ★ ★
Can You Kill The ALIENS
★ ★ ★
For
CASH PRIZES
★ ★ ★
0898 313588

If you are under 18 years of age please obtain permission of whoever pays the phone bill.
INFODIAL POBox 36 LS1 4TN Call charges 36p Per Min Cheap 48p Per Min All Other Times

AMIGA FORMAT

LOWEST PRICES

BCS SPRING OFFERS

**CDTV
£445**

★ OFFER 1 ★

Philips CM8833 Mk II + on-site
maintenance + F19 Flight Sim + lead
£228

★ OFFER 2 ★

A500 Plus Cartoon Classics Pack + Philips
CM8833 MUII Lead + F19 +
On-site maintenance. **£575**

★ OFFER 3 ★

A500 Cartoon Classic Pack + Cumana
External Drive
£400

★ OFFER 4 ★

NEW BANX STACKABLE BOXES
80/90 Cap £8.95
130/150 Cap £16.95

DISKS DISKS DISKS

100% certified error free

50 3.5" DS/DD £22.50
100 3.5" DS/DD £37.00
150 3.5" DS/DD £52.50
200 3.5" DS/DD £68.00
400 3.5" DS/DD £138.00
500 3.5" DS/DD £160.00
1000 + call for spot prices

Prices include VAT & free
delivery & free labels

New 100 capacity 3.5" lockable boxes & disks

No quibble lifetime guarantee

50 3.5" DS/DD + 100 cap lockable box £25.50
100 3.5" DS/DD + 100 cap lockable box £40.50
150 3.5" DS/DD + 100 cap lockable box £56.50
200 3.5" DS/DD + 100 cap lockable box £74.00
400 3.5" DS/DD + 100 cap lockable box £147.00
500 3.5" DS/DD + 100 cap lockable box £174.50

All prices include VAT & free
delivery & free labels

DISKS + STACKABLE BANX BOXES

50 3.5" DS/DD + 80 Cap Banx Box £31.00
100 3.5" DS/DD + 80 Cap Banx Box £45.00
200 3.5" DS/DD + 80 Cap Banx Box £85.00
500 3.5" DS/DD + 80 Cap Banx Box £199.00

Prices include VAT/Labels/Delivery

5.25" DS/DD Disks 21p each
5.25" DS/HD Disks 39p each

3.5" DS/DD Disks 60p each

100 3.5" DS/HD £61.00 INC. P&P

150 Cap 3.5" Posso Box £15.50
60 Cap 3.5" Stackable Box £10.00

3.5" 10 Cap boxes £0.85 each
3.5" 40 Cap boxes £4.10 each
3.5" 100 Cap boxes £4.50 each
5.25" 50 Cap boxes £5.10 each
5.25" 100 Cap boxes £5.90 each

PRINTERS

Star LC - 20 £150
Star LC - 200 Colour £205
Star LC - 24 200 Colour £265

AMIGAS

A500 Plus 2Mb Cartoon Pack £405
A500 Plus 1Mb Cartoon Pack £345
Class of the 90's £450
A1500 £650
Amiga A500 Basic Pack £299
A500 Basic Pack £299

ACCESSORIES

Amiga Daatascan Professional £145.00
1/2Meg + Clock £29.00
1000 Labels £8.00
Cumana Drive £58.00
1000 Tractor Labels £10.00
Amiga Mouse £14.00
Mouse Mat £2.50
Stingray Joystick £13.50
A590 Hard Drive £280.00
Printer Lead £8.00
A590 + 2Mb Ram £370.00
Zipstick £11.00
A500P 1Mb Upgrade £57.00
A590 Hard Drive £265.00
1 meg A500 Plus Upgrade £59.00

ORDER HOTLINE:

0273 506269 / 0831 279084

All prices include VAT. Add £4 delivery unless stated.
Add £10 next day. Cheques will be held for clearance.

Call or send cheques / postal orders to:

**BCS Ltd.,
349 Ditchling Road, Brighton,
East Sussex, BN1 6JJ**

All offers subject to availability. E&OE

Due to shortages of 3.5" DSDD disks, prices
may change without notice





EAGLE SOFTWARE

118a Palmers Road
New Southgate
LONDON N11 1SL.

(10 am - 6pm 6 days)

Tel: 081-361 2733/5730

(2733 Faxline after 6pm)



FREE
MYSTERY
GAME
WITH ORDERS
OVER £50

ST & AMIGA BUDGET TITLES UNDER £10	
3 Stoges	£6.99
30 Pool	£6.99
Afterburner	£6.99
Altered Beast	£6.99
Arkanoïd (Amiga only)	£4.50
Arkanoïd II	£6.99
Bal	£5.99
Barbarian	£5.99
Barbarian II	£6.99
Batman Caped Crusader	£6.99
Batman The Movie	£6.99
Beach Volley	£6.99
Blood Money	£6.99
Cabal	£6.99
California Games	£6.99
Carrier Command	£8.99
Centrefold Squares	£6.99
Cloud Kingdom	£6.99
Colossus Chess	£6.99
Conflict in Europe	£7.99
Continental Circus	£6.99
Crazy Cars	£6.99
Defender of the Crown	£7.99
Def of the Earth	£6.99
Deluxe Strip Poker	£6.99
Double Dragon I or II	£6.99
Dragon Ninja	£6.99
Dragon Spirit	£5.99
Fantasy World Dizzy	£5.99
F16 Combat Pilot	£6.99
Gauntlet II	£6.99
Ghostbusters II	£6.99
Hard Drive	£6.99
Head over Heels	£5.99
Hitch Hiker's Guide to Galaxy	£7.99
Hong Kong Phoebe	£6.99
Hostages	£6.99
IK+	£6.99
Impossible Mission II	£6.99
James Pond	£6.99
Kid Gloves	£5.99
Last Ninja II	£6.99
Licence to Kill	£5.99
Lombard RAC Rally	£6.99
Michael Jackson Moonwalker	£6.99
New Zealand Story	£6.99
Ninja Rabbits	£7.99
Nitro	£7.99
North & South	£6.99
Out Run	£6.99
Operation Wolf	£6.99
Passing Shot	£7.99
Platoon	£5.99
Predator	£6.99
Rambo III	£6.99
Red Heat	£6.99
Resolution 101	£6.99
Road Blaster	£6.99
Rocket Ranger	£6.99
R-Type	£6.99
Run The Gauntlet	£6.99
Shadow of the Beast (Amiga)	£6.99
Sherman M4	£6.99
Shinobi	£7.99
Shuffle Puck Cafe	£6.99
Silkworm	£6.99
Speedball	£7.99
Strike Force Harrier	£6.99
Stunt Car Racer	£6.99
Super Hang On	£6.99
Switchblade	£6.99
Teenage Mutant Turtles	£6.99
Thunderstrike	£6.99
Toohey	£6.99
Topolites (Kick Off - Extra Time)	£5.99
TV Sports Football	£7.99
Vigilante	£6.99
War Zone	£6.99
Waterloo	£6.99
Wings of Fury	£6.99
Wizball	£4.99
WC Leaderboard	£6.99
Xenon II	£7.99

TOP TITLES	ST	AMIGA
Half Meg Upgrade + Clock	N/A	£29.99
World Series Cricket	N/A	£16.99
1 Meg Cricket	N/A	£7.99
3D Construction Kit	£29.99	£36.99
4D Sports Boxing	£16.99	£16.99
A320 Airbus	£26.99	£26.99
Action Stations	N/A	£17.99
Addams Family	£16.99	£16.99
Advantage Tennis	£16.99	£16.99
Agony	£16.99	£16.99
Air Support	£16.99	£16.99
Alien Storm	£16.99	£16.99
Alpha Waves	£16.99	£16.99
Allied Destiny	N/A	£21.99
Another World	£17.99	£17.99
Amazing Spiderman	£15.99	£15.99
Amnos	£16.99	£16.99
Amos 3D	N/A	£23.99
Amos Compiler	N/A	£19.99
Amos The Creator	N/A	£36.99
Armouredgedon	£15.99	£15.99
Back to the Future III	£10.99	£10.99
Back to the Golden Age	£16.99	£16.99
Barbarian II (Psychosis)	£16.99	£16.99
Bard's Tale III	N/A	£16.99
B.A.T. II	£22.99	£22.99
Battle Chess	£15.99	£15.99
Battle Chess II	£16.99	£16.99
Battle Command	£15.99	£15.99
BATTLE HAWKS 1942	£8.99	N/A
Battle Isle	£19.99	£19.99
Battle Master	£19.99	£19.99
Battle Squadron	N/A	£7.99
Betrayal	N/A	£8.99
Big Run	£16.99	£16.99
Billard Simulator II	£16.99	£16.99
Birds of Prey	£23.99	£23.99
Blue Max	£19.99	£19.99
Blues Brothers	£16.99	£16.99
Boston Bomb Club	£16.99	£16.99
Brain Blaster	£16.99	£16.99
Bruck Rogers	£19.99	£19.99
Cadaver	£16.99	£16.99
Cadaver - the pay off	£10.99	£10.99
Captive	£15.99	£15.99
Cardiaco	£17.99	£17.99
Carriage	£16.99	£16.99
Carve Up	£15.99	£15.99
Celica GT4 Rally	£6.99	£6.99
Centurion	£16.99	£15.99
Chaos Strike Back	£16.99	£16.99
Champion of the Raj	£9.99	£9.99
Chase HQ	£6.99	£6.99
Chase HQ II	£14.99	£14.99
Chinto's Revenge	£16.99	£16.99
Chrono Quest II	N/A	£7.99
Cruck Rock	£16.99	£16.99
Cisco Heat	£15.99	£14.99

TOP TITLES	ST	AMIGA
C.Y.'s Air Combat	£20.99	£20.99
Code Name Icaran 1 Meg	£14.99	£26.99
Code Name White Shad.	£23.99	£23.99
Cohort	£20.99	£20.99
Conan the Cimmerian	£21.99	£21.99
Conan the Cimmerian	£23.99	£23.99
Covert Action	£21.99	£21.99
Crazy Cars II	£16.99	£10.99
Crime Wave	£17.99	£17.99
Cruise for a Corpse	£16.99	£16.99
CyberCon III	£15.99	£15.99
Darkman	£15.99	£15.99
Das Boot	£21.99	£21.99
Days of Thunder	£15.99	£8.99
Demoniac	£19.99	£19.99
Deuterios	£20.99	£20.99
Devous Designs	£16.99	£16.99
Disciples of Steel	£17.99	£17.99
Double Dragon III	£16.99	£16.99
Dr Dooms Revenge	£9.99	N/A
ELF	£15.99	£15.99
Elvira Mistress of Dark	£21.99	£21.99
Elvira II Jaws of Cerberus	£23.99	£23.99
Epic	£15.99	£15.99
Eye of the Beholder	N/A	£19.99
Eye of the Beholder II	N/A	£20.99
F14 Tom Cat	£18.99	£18.99
F15 Strike Eagle II	£23.99	£23.99
F117A Stealth Fighter	£21.99	£21.99
F19 Stealth Fighter	£19.99	£19.99
F29 Retaliator	£15.99	£15.99
Face Off - Ice Hockey	£15.99	£15.99
Falcon III	£23.99	£23.99
Fantastic Voyage	£23.99	£23.99
Fate of Atlantis (Adventure)	N/A	£17.99
Fate of Atlantis (Arcade)	N/A	£17.99
Federation of Free Traders	£6.99	£6.99
Feudal Lords	£16.99	£16.99
Final Blow	£16.99	£16.99
Final Fight	£16.99	£16.99
Final Whistle	£9.99	£9.99
First Samurai	£16.99	£16.99
Flight of the Intruder	£16.99	£22.99
Floor 13	£19.99	£19.99
Football Crazy	£16.99	£16.99
Future Baseball	£16.99	£16.99
Fuzzball	N/A	£13.99
G-Loc R360	£16.99	£16.99
Gunship III	£16.99	£16.99
Geisha (X-cort)	£16.99	£16.99
Genghis Khan	£21.99	£21.99
Gettysburg	£18.99	£18.99
Ghosts n Ghosts	£6.99	£6.99
Godfather	£16.99	£16.99
Gods	£16.99	£16.99
Golden Shot	£16.99	£16.99
Graham Gooch Cricket	£21.99	£21.99
Grand Prix (Formula 1)	£23.99	£23.99
Gunship 2000	£21.99	£21.99

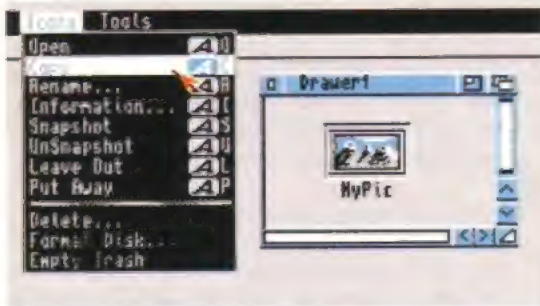
TOP TITLES	ST	AMIGA
Hard Drive II	£15.99	£15.99
Hard Nova	£16.99	£16.99
Harlequin II	£16.99	£16.99
Harpoon (1 Meg)	£19.99	£19.99
Heart of China	£24.99	£24.99
Herndall	£23.99	£23.99
Hero's Quest (Grenin)	£16.99	£16.99
Hill Street Blues	£16.99	£16.99
Home Alone	N/A	£23.99
Hudson Hawk	£15.99	£15.99
Hunter	£20.99	£20.99
I. Bothams Cricket	£19.99	£19.99
Immortals	£15.99	£15.99
Indianapolis 500	£16.99	£16.99
Indy Heat	£16.99	£16.99
Interceptor	£26.99	£26.99
Island	£6.99	£6.99
Jack Unlimited Clipart	N/A	£10.99
Jahangir Khan's Squash	£16.99	£16.99
Johnny White's Whirlwind	£19.99	£19.99
Kick Off II (1 Meg)	£15.99	£15.99
Kick Off II (5 Meg)	N/A	£13.99
Kick Off Winning Tactics	£9.99	£9.99
Kid Gloves II	£16.99	£16.99
Killing Cloud	£11.99	£11.99
Killing Game Show	£15.99	£15.99
Kings Bounty	N/A	£11.99
Kings Quest IV	£14.99	N/A
Kings Quest V	£26.99	£26.99
Knight Mare	£16.99	£16.99
Knight of the Sky	£23.99	£23.99
Last Ninja III	£16.99	£16.99
Leander	£16.99	£16.99
Leisure Suit Larry II	£14.99	£25.99
Leisure Suit Larry III	£25.99	£25.99
Leisure Suit Larry V	£26.99	£26.99
Lemmings	£16.99	£16.99
Lemmings - Data Disk	£13.99	£13.99
Lemmings - Stand Alone	£16.99	£16.99
Life & Death	£20.99	£20.99
Logical	£16.99	£16.99
Lord of the Rings	N/A	£20.99
Lost Patrol	£15.99	£15.99
Lotus Esprit	£15.99	£15.99
Lotus Turbo Challenge II	£16.99	£16.99
M1 Tank Platoon	£19.99	£19.99
Magic Garden	£16.99	£16.99
Magic Pockets	£15.99	£15.99
Magnetic Scroll	£19.99	£19.99
Man Utd. Europe	£15.99	£15.99
M. Dika Ultimate Football	£18.99	£18.99
Meat Lo-Mania	£20.99	£20.99
Megatraveller II	£20.99	£20.99
Megatons	£16.99	£16.99
Mercenary III	£20.99	£20.99
Merchant Colony	£20.99	£20.99
Mercs	£16.99	£16.99
Microprose Golf	£23.99	£23.99
Midnight Resistance	£6.99	£6.99
Midwinter II	£23.99	£23.99
Mig 29 Fulcrum	£21.99	£21.99

TOP TITLES	ST	AMIGA
Mig 29M Super Fulcrum	£25.99	£25.99
Might of Magic III	N/A	£19.99
Moonshine Racers	£6.99	£6.99
Moonstone	£21.99	£21.99
Monkey Island	£15.99	£15.99
Monkey Island II	£16.99	£16.99
Mystical	£15.99	£15.99
Myth	£15.99	£15.99
Narc	£15.99	£15.99
Navy Seals	£15.99	£15.99
Nebulus II	£15.99	£15.99
Neighbours	£16.99	£16.99
Neverending Story II	£15.99	£13.99
Nightshift	£10.99	£16.99
Orbitus	£16.99	£12.99
Operation Thunderbolt	£6.99	£6.99
Outrun Europa	£16.99	£16.99
Pang	£15.99	£15.99
Panza Kickboxing	£16.99	£16.99
Paperboy II	£16.99	£16.99
Pegasus	£16.99	£16.99
PGA Golf Tour	N/A	£16.99
Pitfighter	£16.99	£16.99
Plotting	£15.99	£15.99
Populus - Sim City	£21.99	£21.99
Populous II	£20.99	£20.99
Predator II	£9.99	£9.99
P.P. Hammer	£16.99	£16.99
Prehistorik	£16.99	£16.99
Prince of Persia	£15.99	£15.99
Puzznic	£15.99	£15.99
QUEST AND GLORY	£20.99	£20.99
Railroad Tycoon	£24.99	£24.99
Rainbow Islands	£6.99	£6.99
R.B.I. 2 Baseball	£20.99	£20.99
Realms	£20.99	£20.99
Red Baron	£23.99	£23.99
Renegade (Coin-op Hits)	£6.99	£6.99
Rise of the Dragon	N/A	£24.99
Robin Hood	£16.99	£16.99
Robocop	£15.99	£15.99
Robocop	£6.99	£6.99
Robocop II	£14.99	£14.99
Robocop III	£15.99	£15.99
Rod Land	£16.99	£16.99
Roddy Ronny	£15.99	£15.99
R-Type II	£16.99	£16.99
Rugby World Cup	£15.99	£15.99
R.V.F. Honda	£7.99	£7.99
Saracen	£13.99	£13.99
Secret of the Silver Blades	£21.99	£21.99
Secret Weapon Luftwaffe	£19.99	£19.99
Shadow of the Beast II	£15.99	£12.99
Shadow Sorcerer	£19.99	£19.99
Shadow Warrior	£15.99	£15.99
Shuttle the Sim	£29.99	£29.99
Silent Service II	£23.99	£23.99
Sim Ant	£15.99	£15.99
Sim Earth	£20.99	£20.99
Simpsons	£15.99	£15.99
Six or Die	£16.99	£9.99

TOP TITLES	ST	AMIGA
Smash TV	£15.99	£15.99
Space 1889	£20.99	£20.99
Space Ace II	N/A	£33.99
Space Gun	£15.99	£15.99
Space Crusade	£17.99	£17.99
Space Quest IV	£26.99	£26.99
Special Forces	£23.99	£23.99
Speedball II	£15.99	£15.99
Spirit of Excalibur	£20.99	£20.99
Star Control	N/A	£17.99
Starfighter II	£6.99	£6.99
Star Trek V	£16.99	£16.99
Starfighter II	N/A	£16.99
Stratego	£17.99	£17.99
Strider II	£15.99	£15.99
Strike Fleet	£17.99	£17.99
Supaplex	£16.99	£16.99
Super Cars II	£15.99	£15.99
Super Space Invaders	£20.99	£20.99
Supremacy	£22.99	£18.99
Suspicious Cargo	£16.99	£16.99
Swap	£16.99	£16.99
Switch Blade II	£15.99	£15.99
Terminator II	£15.99	£15.99
Test Drive III	£15.99	£15.99
Thief Finest Hour	£19.99	£19.99
Thief Finest Mission	£10.99	£10.99
Thunderhawk AH-73M	£21.99	£21.99

Duplicating a file

WORKBENCH 1.3 AND WORKBENCH 2



To make a duplicate of a file in the same place, you simply select the file and choose the 'Copy' menu option.



Because the copy is in the same place, it has to have a different name, so it's automatically called "Copy of...".

This is an equally simple process. All you have to do is select your file, then select the 'Duplicate' option from the 'Workbench' menu on Workbench 1.3, or 'Copy' from the 'Icons' menu if you're using Workbench 2. Your second file will appear, with 'Copy of' in front of the name of the original. You can now rename the file just as you would rename a disk or a drawer. The only name you can't give the copy is one that's taken already, such as the same name as the original. However, if you move the copy to a new place - so that one is in the drawer and the other is in the disk's window, for example - they can have the same name!

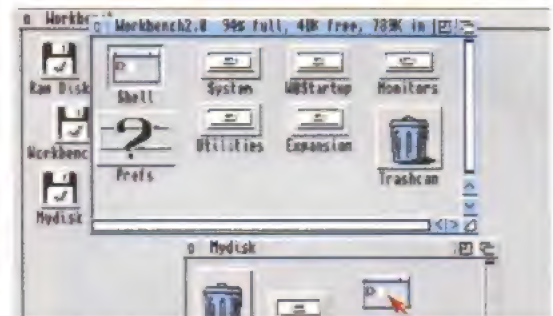
Copying a file

WORKBENCH 1.3 AND WORKBENCH 2

As well as duplicating a file, you can also copy a file from one place to another, putting the copy in a new place but leaving the original where it is. In Workbench, you can only do this from one disk to another.

To try this, open the Workbench disk's window. Simply drag the 'Shell' icon from the Workbench disk to your blank disk's icon, just as if you are moving the file from one place to another. The Shell will be copied to your blank disk.

The reason we've called this process 'copying' and the previous process 'duplicating' is that this moves it to a new place, whereas duplicating leaves the copy in the same place as the original. If you read the piece about copying with the Shell, you'll discover that there's no real difference.



To copy a file from one disk to another, simply drag it from the first disk's window to where you want it.

Deleting a file

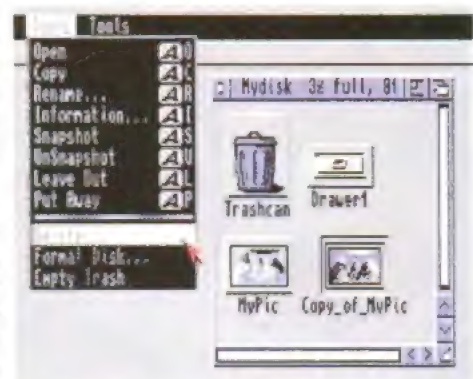
WORKBENCH 1.3 AND WORKBENCH 2



One way to get rid of a file is simply to sling it into the Trashcan, then empty the trash.

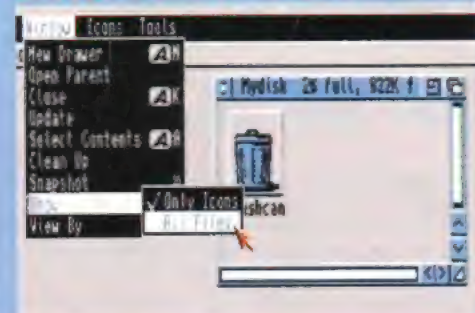
Again, this is very simple task. Just drag the file you want to delete into the Trashcan: it acts just like a drawer. Then select the Trashcan's icon and choose 'Empty Trash' from the 'Disk' menu (Workbench 1.3) or the 'Icons' menu (Workbench 2). One important note: anything you put in the Trashcan won't actually be deleted until you Empty Trash, so you can always take it out of the Trashcan again if you haven't.

Workbench 2 users also have another way of deleting a file: you can select the file's icon and then use 'Delete' from the 'Icons' menu. There is a Workbench 1.3 equivalent, the 'Discard' option from the 'Workbench' menu, but because this only deletes the icon, and not the file represented by the icon, it's best never to use this. An explanation of how icons differ from the files they represent follows, when we get on to how you do these things using the Shell.



An alternative way for Workbench 2 owners only is to use the Delete option from the menus.

ONE VERY GOOD REASON WHY WORKBENCH 2 IS BETTER!



This disk window has files in it, but you can't see them. Select "Show all files" and they will appear!

Fortunately, whenever you save a picture file from *Deluxe Paint* it also has an icon (an .info file). But as you may soon discover, not all files always have an icon. Try creating a file without an icon yourself: use the Shell as described to delete just the .info file for your picture (the one that's the same name as your picture with .info on the end, so mine is MyPic.info). Type a line something like this:

```
delete Mydisk:MyPic.info
```

If you've got Workbench 1.3, you won't be able to do anything to the file now unless you use the CLI again. But if you are using Workbench 2, you can cheat! Select the window that should have the file in, then move the mouse pointer over the 'Show' option of the 'Window' menu. You'll notice that another mini-menu sprouts from the 'Show' option: select 'All files' from this mini-menu. Suddenly an icon will appear for your picture file! This icon is what's known as a Pseudo-Icon, and it means you can move, copy and delete files from the Workbench even if they don't have a proper icon. It's a great idea which means that Workbench 2 owners will never need to suffer from hidden files lurking on their disks, forgotten about and unfindable!

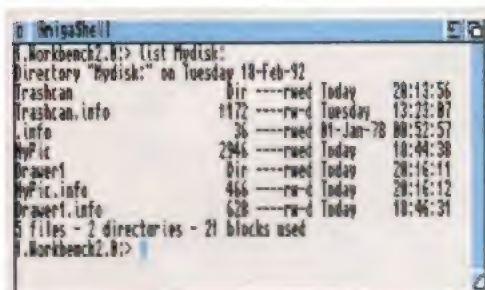
Copying a file and duplicating a file

SHELL OR CLI

One handy thing to know when using the Shell is how to get a list of what's on a disk: you use the 'list' command. remember that the Shell always needs to know exactly where you are talking about, so you'll need to tell it the name of the disk you want a list of. Open the Shell and type something like this, but of course putting in whatever you've called your disk:

```
list Mydisk
```

You may have to swap disks, then the Shell will print up a reply something like this picture...



Notice that your *Deluxe Paint* picture is actually there as two files: mine are called MyPic and MyPic.info. All the icons that you can see on the Workbench screen are actually '.info' files, so the MyPic.info is the icon for my picture.

There is also a .info file for the drawer, a disk.info file for the disk's icon, and a file just called .info, which actually contains the information for the size and the shape of the disk's window. As you can see, when you use the Shell, you're right down there amongst the nitty-gritty of Workbench!

Right, let's get the jobs done. The first thing to mention is that we cannot actually move a file from one place to another from the Shell: we can only move files to a new place by making a copy of them in the new place. Still, this does give us an advantage: we can copy files without moving them to another disk. here's how it works.

The command that we use is 'copy', and again we have to be very careful about telling the Shell exactly where everything is. Let's copy the picture file into our drawer:

```
copy from Mydisk:MyPic to
Mydisk:Drawer1/MyPic
```

Remember that whenever you type a line of instructions into the Shell, you must press the Return key to make it happen. Notice that in each particular case we have to give a full 'path' for each file, starting with the disk that it's on (and then followed by a colon :) and then, when we want to put it in a drawer, including that in the proper order (and drawers must be followed by a backslash /).

Right, there are also lots of options we can choose

from, so let's look at some of those. For starters, you don't need the 'to' and 'from', providing you remember that the place the file starts off always comes first, and the place it's going to always comes second:

```
copy Mydisk:MyPic Mydisk:Drawer1/MyPic
```

Secondly, if you don't repeat the name of the file in the 'to' part of the path, the Shell will assume you want to leave the name the same, so this will do just as well:

```
copy Mydisk:MyPic Mydisk:Drawer1/
```

And equally, if you want to, you can change the name so that the copy has a different name:

```
copy Mydisk:MyPic
Mydisk:Drawer1/MyPicAgain
```

And we can use this same trick to duplicate a file, giving the copy a new name but leaving it in the same place as the original

```
copy Mydisk:MyPic Mydisk:MyPicAgain
```

Now, remember those .info files. If we exited the Shell (by typing endcli, remember?) at this stage we would not be able to see our copied file in the drawer. You must also copy the .info file into your drawer as well, using the same technique. OK?

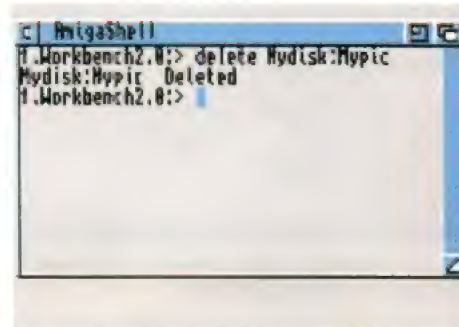
Deleting a file

SHELL OR CLI

To move a file with the Shell, you'd have to copy it to the new place you want it in and then delete the original. Again, deleting with the Shell is easy: you simply use the 'delete' command, but again you must be very careful to specify the correct path to point out the file you want. Let's delete the original picture, leaving the copy:

```
delete Mydisk:MyPic
```

Remember to delete the .info file too! So, by the end of this little experiment, you should know everything you need to be able to move files around, make copies and get rid of unwanted files. All very useful!



One thing to watch for when you are using the Shell is its responses. When you are deleting files, it will confirm what it's done. Only when the 'prompt' reappears are you ready to type in a new instruction.

JOB DONE! ANYONE CONFUSED?

We've learnt an awful lot this month: all the basic jobs that Workbench is there for. From now on, you've got no excuse for not keeping all your disks properly organised!

However, we may have moved a little swiftly, so go back over things and make sure you understand the processes. If you do get stuck, please write in to Workbench, **Amiga Format**, 30 Monmouth Street Bath BA1 2BW and we'll answer your questions in the Workbench pages of the magazine. Next month, we'll be moving on even deeper into the heart of the Amiga!

KEEPING WINDOWS IN ORDER

Here's how to make sure you can always see the window you need, and what to do if it gets buried under another!

If your window is under another one, click here to bring it to the front...

...and if the window at the front is just getting in the way, click here to send it to the back. These two are separate icons on Workbench 1.3.



You can move windows around the screen by dragging this bar across the top of the window.

To change the size and shape of a window, drag it around by this little box in the bottom right-hand corner.

OPEN ALL HOURS (WELL, NEARLY!)

9am-10pm Mon-Sat 10am-6pm Sun No Answerphones!

3.5" Disks with labels

Bulk Disks	
1-100	38p
100+	36p
500+	34p
1000+	32p

SONY Disks

1-100	45p
100+	42p
500+	39p
1000+	37p

RAINBOW Disks

1-100	44p
100+	41p
500+	38p
1000+	36p

LOOK! LOOK! LOOK!

! TRACTORFEED DISK LABELS !

500 Labels plus FREE software to print your own professional labels!!

★★★ ONLY £9.95 ★★★

DISK STORAGE BOXES

10 cap	95p
Red, Yellow, Green, Blue, Black, Grey - Your Choice	
50 cap	£4.00
100 cap	£4.50

Stackable Disk drawers	
Posso (150 cap)	£15.95
250 cap	£18.99

MISCELLANEOUS

512K Ram (No Clock)	£24.99
512K Ram (+ Clock)	£27.99
Zydek Ext Disk Drive	£54.95

★★★ SPECIAL OFFER ★★★

Amiga 500+ Cartoon Classics Only £349!!!

1.5 Meg A500 Ram Expansion Only £79.95!!!

Mousehouse	£1.60
Mousemat	£2.49
Diskdrive Cleaner	£1.79
Comp. Pro Autofire	£12.95

DIRECT COMPUTER SUPPLIES

0782 642497 9am-5.30pm Week

0782 311471 Evening/Weekend

0630 653193 Evening/Weekend

54 Spring Road

Longton

Stoke-On -Trent

Staffs ST3 2PX

Prices Inc VAT P&P Please add £3.30
We accept cheques/P.O's/Visa/Access

ANALOGIC
ANALOGIC
ANALOGIC

Analogic Computers
(UK) Ltd
152 Latchmere Road
Kingston-upon-Thames
Surrey KT2 5TU

Telephone
Mon-Fri 9am-7pm
Sat 9am-5.30pm
081-546 9575
Tel/Fax:
081-541 4671

COMPUTERS SPECIAL OFFERS

Amiga A500 Plus Cartoon Classics Pack

1 Meg
£349.95

2 Meg
£379.95

MONITORS

Protar Visto C14M colour monitor + cable + 1 yr replacement warranty	£220.00
Philips 15" TV/monitor (model 3332), remote control + scart cable	£239.00
Philips 15" TV/monitor (model 9331), as above plus Teletext	£269.00

PROTAR HARD DRIVES

A500 HD 20	£269.00
A500 HD 40	£339.00
A500 HD 50	£359.00
A500 HD 50 DC	£389.00
A500 HD 80	£589.00
A500 HD 100 DC	£599.00

ACCESSORIES

Amiga 512K RAM + clock	£24.95
Amiga Plus 512K RAM	£34.95
Amiga Plus 1 Meg	£54.95
Amiga/Atari Squik Mouse	£14.95
Amiga Scart Cable	£14.95
Mouse Mat	£4.95
Dust Cover	£4.95
Super Pro Zipstick	£14.95
Amiga Power Supply	£44.95
10 Blank Disks	£5.95

AMIGA A500 REPAIRS

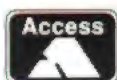
Without diagnostic fees

★ Fixed charges ★ Fast turnaround

★ We provide pick-up service for repairs for only £5.00 + VAT

£49.95

- ★ All prices include VAT and NEXT WEEK DAY DELIVERY subject to availability
- ★ Fixed charge for repair does not include disk drive replacement nor keyboard
- ★ All prices subject to change without notice
- ★ We reserve the right to refuse any Amiga repair



AMIGA REPAIRS

JUST £44.95 inc.



- ★ Commodore registered
- ★ Over 10 years experience with Commodore computers
- ★ 20 qualified technician engineers at your disposal
- ★ We will undertake to repair your Amiga 500 computer for just £44.95 including parts, labour, VAT and post & packing
- ★ Most computers should be repaired within 24 hours of booking in.
- ★ Prices include full service check, overhaul, soak-test and replacement of power supply unit if necessary
- ★ Repairs to keyboard and disk drive also included (£25 extra if these units are unrepairable and require complete replacements)
- ★ All repairs covered by a 90 day warranty



Upgrade your Amiga from 512K to 1Mb of memory for just £25.00
SPECIAL EXCLUSIVE OFFER:

If you submit your computer to ourselves for repair, enclosing this advert along with just an additional £25, we will supply and fit a 512K memory expansion at no extra cost.

How to take advantage of this exceptional offer: simply send or hand deliver your machine to the workshop address detailed right, enclosing payment and this advert and we will do the rest. (If possible please include a daytime telephone number and fault description).

* If you require 24 hour courier to your door, please add £5 else your computer will be sent back by contract parcel post.

WTS ELECTRONICS LTD

STUDIO MASTER HOUSE

CHAUL END LANE

LUTON, BEDS, LU4 8EZ

Telephone (0582) 491949 - (4 lines)

WTS reserve the right to refuse machines that in our opinion are tampered with, to an extent beyond reasonable repair

AMIGA FORMAT

201

APRIL 1992



EXPAND YOUR AMIGA

QUALITY PRODUCTS
at affordable prices
W.T.S. ELECTRONICS LTD



STOP PRESS:
Kickstart 2.04 £55
Hi-res Denise £39
Kickstart switchboard
£24.99 IN STOCK NOW



British Made

A500 PRO-RAM BOARD 1/2 MEG UPGRADE

- Latest design incorporates chipmem option at no extra cost
- Increases computer memory from 1/2 Megabyte to 1 Megabyte
- Allows all 1 Megabyte software to run. Now Commodore A500 standard
- Direct replacement for Commodore A501, 16 Chip Technology for complete compatibility.

£25.00

without clock

£28.00

with clock

UPGRADE TO AMIGA 500 PLUS

★ Upgrade the standard Amiga 500 to ECS chipset A500 plus capability ★

- ★ KICKSTART 2.04
- ★ HIGH-RES DENISE
- ★ 8372 FATTER AGNUS
- ★ 2.04/1.3 KICKSTART SWITCHBOARD
- ★ KICKSTART 1.3
- ★ A500 PLUS 1MB UPGRADE

- £55 • Upgrades your existing Kickstart to that of the new A500 plus
- £39 • Upgrades your graphic chip capability to that of the A500 Plus inc. anti-flicker
- £49 • Enables you to access 1Mb of chip memory with standard modification
- £24 • Overcomes software compatibility problems at the flick of a switch
- £36 • Allows existing A500 Plus owners to run old software when used in conjunction with switchboard
- £45 • Upgrades A500 Plus memory to 2Mb chip memory

SUPRA RANGE

SUPRA MODEMS



- 100% Hayes compatible
- Tone Pulse auto dial/answer
- RS232 Interface
- Internal diagnostics
- Programmable number storage

Supra 2400	£119.00
Supra 2400 MNP	£159.00
Supra 2400 +	£174.00
Supra 9600	£399.00

500RX 1Mb - 8Mb MEMORY EXPANSION

500RX 1Mb	£149.00	500RX 4Mb	£224.00
500RX 2Mb	£179.00	500RX 8Mb	£399.00



A2000 MEMORY UPGRADES

0Mb	£119.00
2Mb	£179.00
4Mb	£289.00
8Mb	£409.00

CUMANA 3.5" EXTERNAL DISK DRIVE



- High quality
- High specification
- Anti click
- Long moulded cable

£54.00

A500 Internal replacement drive	£44.00
8372 Fatter Agnus Chip (allows Chipmem feature)	£49.00
1.3 Kickstart Chip	£36.00

A500 HIGH CURRENT POWER SUPPLY



- Allow addition of many peripherals without damage to computer or power supply
- Switch mode design

£44.95



British Made

★ All prices include P&P & VAT ★ Please add £5.00 if you require 24 hour courier to your door or parcel post will be used ★ 12 month warranty ★

W.T.S. ELECTRONICS LTD, Chaul End Lane, Luton, Beds.

Tel: 0582 491949

The new, updated complete guide to the Amiga

CREATIVITY GUIDES

Get results by reading our advice on what software to buy in graphics, 3D, animation, DTP, digitisers, scanners, music, video, education, multimedia.

PRODUCTIVITY GUIDES

More buying suggestions and solid advice on the practical areas of word processing, databases, spreadsheets, accounts software, comms, programming.

INFO FOR BEGINNERS

Features to introduce the Amiga, explain how it works and get you started in any area of Amiga use including Workbench and the CLI.

HARDWARE EXPLAINED

Overviews of hardware and its functions, including buying recommendations on printers, emulators, monitors and more.

PUBLIC DOMAIN

The whole world of free and next-to-nothing software explained, explored and elucidated. The best in utilities targetted and the demos scene exploded.

WORKBENCH TECHNICAL TIPS

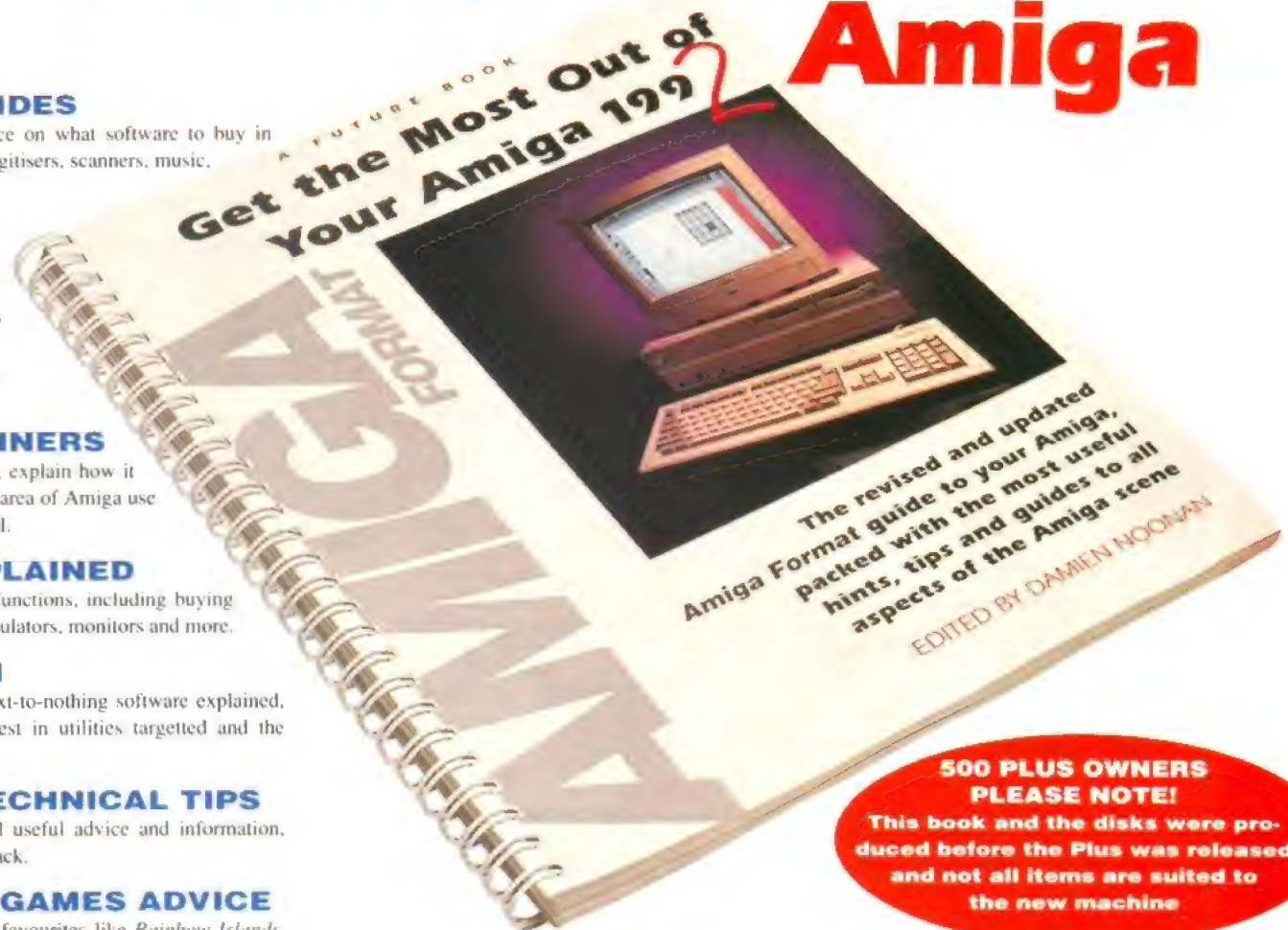
A whole host of interesting and useful advice and information, from hardware to software and back.

GAMEBUSTERS GAMES ADVICE

Including tips and hints for old favourites like *Rainbow Islands*, *Batman*, *Rick Dangerous*, *Dungeon Master* and *Shadow of the Beast 2* as well as some of the recent hits like the game of the year *Lemmings* and the amazing *Supercars 2*.

PLUS TWO COMPLEMENTARY DISKS FOR ONLY £4.00 EXTRA FEATURING:

JRComm communications package ● **Scenery** fractal landscape generator ● **Cruncher** compression utility ● **ScreenX** saves screens as pictures ● **Iconmaker** icon creator ● **SysInfo2** tells you what's in your Amiga ● **WhereIs** helps you find files ● **Border** switches off screen borders ● **ClickDOS** the power of CLI without the hassle ● **Safeboot** protects your games from viruses ● **ViewILBm** displays pictures easily ● **Quicklens** magnifies your screen! ● **WB Hacks** a bit of fun ● **MegaWB** scroll round a massive screen ● **FuncKey** customises key set-ups ● **ScreenShift** adjusts screen positioning ● **ZeroVirus** virus killer ● **Zap** binary file editor ● **BootIntro** adds intros to your disks ● **RSLClock** full toolkit ● **DropCloth** adds colourful Workbench screens ● **TaskControl** sets your priorities ● **SuperEcho** real-time sound processing ● **FPic** image processing ● **DropShadow** smartens your Workbench ● **DecHexBin** programmer's calculator ● **MandelMountains** excellent fractal creator ● **Spread** simple spreadsheet program



**500 PLUS OWNERS
PLEASE NOTE!**

This book and the disks were produced before the Plus was released and not all items are suited to the new machine

Costing only £9.95 and completely rewritten to include stacks of new information, this is the most comprehensive overall guide there is to every aspect of the Amiga and what to do with it.

ORDER FORM

I would like to order ____ copy/copies of
GET THE MOST OUT OF YOUR AMIGA 1992
at the price of **£9.95 (+1.45 per copy P&P)**

I would like to order ____ copy/copies of
GET THE MOST OUT OF YOUR AMIGA 1992
plus 2 disks for **£13.95 (+1.45 per copy P&P)**

If paying by cheque please send payment with
this order form in a sealed envelope to:

**AMIGA FORMAT GTM 1992 Book
FREEPOST
Future Publishing Ltd
Somerton, Somerset TA11 7BR**

No stamp required if posted in the U.K.

Please allow 28 days for delivery

Name _____

Address _____

Post Code _____

Telephone _____

I enclose cheque/PO for £ _____

Please debit my Access/Visa card: (delete as appropriate)

My card no. is _____

Expiry date _____

Signature _____

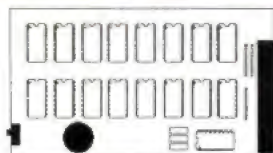
Credit Card Hotline
Tel: 0276 676308

Virgo
DEVELOPMENTS

Innovation House,
Albany Park, Frimley,
Surrey, GU15 2PL.
Fax: 0276 676309



Amiga A500 RAM CARDS



V500: ½Mbyte expansion.

Upgrade your Amiga A500 to 1Mb.
Chip/fast ram compatible, gold plated
connector, On/Off switch.

ONLY
£19.99

V501: ½Mbyte expansion + Clock.

As V500 + Battery backed real time
clock

ONLY
£24.99

V1500: 1.5Mbyte expansion + clock.

Fully CHIP ram compatible,
expandable in ½ Mb stages, complete
with GARY connector & full
instructions.

V1500 1.5Mb
ONLY
£69.99

V2000: 2Mbyte expansion + clock.

Upgrade your Amiga A500 to 2.5Mb.
Expandable in ½Meg stages,
compatible with Kickstart 1.2 & 1.3,
On/Off switch, gives 1Mb of CHIP
ram + 1.5 Mb fast ram if required.
Comes complete with Gary connector
& full installation instructions.

V2000 bare board
£37.95
V2000 + 2Mbyte
ONLY
£104.95

V4000: 4Mbyte expansion + clock.

Upgrade your Amiga A500 to 4.5 Mb.
Same as V2000 but gives an additional
4Mb of fast ram or 3.5Mb fast +
1Mb CHIP ram

V4000 bare board
£63.00
V4000 + 4Mbyte
ONLY
£198.00



3½" LOCKABLE DISK BOXES

40 Capacity	£5.62
80 Capacity	£6.99
100 Capacity	£8.34
120 Capacity	£9.52

3½" DSDD Disks
2 for 1 guarantee
including disk labels
£5.45 for 10

BRANDED Disks
3½" DSDD
ONLY £7.80
FOR 10

External 3½" Disk Drive

Top quality, low noise, high
reliability 1meg drive. Very
quiet, Slimline design,
Sony/Citizen drive mechanism,
Through port, on/off switch.



ONLY £54.95

**Ram chips 256Kx4, V1000, V2000, V4000 &
A590 compatible. ONLY £17.59 for ½Mbyte**

NEW! NEW!NEW!

**Now available for both the A500
& A500 *plus* the V8000 8.0Mb
external memory expansion**

Features:-

External fitting, will not invalidate your
guarantee - Full through port expansion -
fully compatible with external hard drives -
latest technology - Auto configuring - low
power, no external PSU required - Provides
all the Fast ram you will ever need.

V8000	2.0Mb	£169.00
V8000	4.0Mb	£235.00
V8000	8.0Mb	£369.00

Joystick

QuickShot MAVERICK 1

Compatible with Atari, Commodore, Sega &
Amstrad game systems - 8 direction control
stick - 2 fire buttons - Player 1/player 2
selector - long cables - Autofire -
Revolutionary high stability design.

£13.95

Upgrade Your A500 *Plus*

Realise the full potential of your Amiga A500 *Plus*
with one of Virgos range of memory expansions.

V1000 The memory expansion that grows with your
requirements. The V1000 is available in three configurations,
bare board, ½Mb & 1Mb. This expansion will take your
A500 *plus* to its full 2Mb CHIP ram capability in affordable
stages. A fully compatible trap door expansion which will not
invalidate your guarantee. Built in the UK complete with gold
plated connector & socketted D-rams.

V1000	bare board	1.0Mb
	£16.99	£42.99

Kickstart ROM swapper

Maintain software compatibility on your A500 *plus* with
standard 1.3 Kickstart A500 machines using the Virgo
Kickstart swapper. Switching, from the keyboard, between
1.3 & 2.04 ROMs giving you all the benefits of the A500 *plus*
without the annoying inconvenience of software
incompatibility. This board can also be used to upgrade
standard A500s to 2.04.

Kickstart Swapper	£24.99
Kickstart 1.3 ROM	£29.95
Swapper + 1.3ROM	£49.99

Technical Support
0276 676308

Monday - Friday 10.30 - 3.00



Dispatch within 24 hours
1-years guarantee.
Cheques, Postal orders to Virgo
Developments at above address.
Prices may change without notice
Express Courier delivery
(UK mainland only) £6.50
Call 24 hours 7 days a week

**All prices
include VAT,
postage &
packaging. No
hidden charges**

The Tipster

TIPSTER IS THE NO. 1 SELLING HORSE RACING PROGRAM AND CONTINUES TO OUT-PERFORM NOT ONLY ALL OTHER PROGRAMS BUT ALSO THE BOOKIES. USING DATA FROM THE RACING POST OR ANY NEWSPAPER. THIS PROGRAM WILL SELECT THE BEST HORSES AND OFFER BETTING ADVICE.

The Punter

LET YOUR COMPUTER TRY TO MAKE SENSE OF THE BRITISH POOLS. THIS SOFTWARE CAN BE USED FOR ANY POOLS COUPON. THE AUSTRALIAN LEAGUES ARE INCLUDED FOR NEXT SEASON.

The Dogs

THE DOGS USES DATA FROM THE RACING POST AND MOST NEWSPAPERS TO RATE GREYHOUND RACES OVER FLAT AND HURDLES. THIS PROGRAM IS VERY EASY TO USE. AN IDEAL GIFT FOR THE MAN WHO HAS EVERYTHING.

League Manager

THIS PROGRAM ENABLES YOU TO MANAGE UP TO 24 TEAMS IN 5 LEAGUES ON ONE DISK. IDEAL FOR SCHOOLS AND ANY SPORT INCLUDING: FOOTBALL, GOLF, SNOOKER, DARTS, BILLIARDS, POOL, SQUASH, TABLE TENNIS etc.

The Bookie

THIS NEW RELEASE CALCULATES THE RETURN FROM MULTIPLE BETS, YANKEE, PATENTS etc. A GRAPH DISPLAYS YOUR DAILY BETTING PATTERN. THIS CAN BE USED TO INCREASE YOUR CHANCES OF WINNING. A PERM CHECKER IS INCLUDED ON THIS DISK WHICH COVERS ALL PLANS.



£24.95 each, or any 2 for £44.95



SIDMOUTH SOFTWARE
PO BOX 7,
SIDMOUTH,
DEVON, EX10 0TD.
TELEPHONE: 0395 67073

Send £4.95
for a DEMO
DISK.

Strategic Plus Software

The Perfect General

From the writer of EMPIRE this is a game of strategy and tactics based on a 12 year old series of tournaments. Featuring a highly refined yet simple playing system, two difficulty levels, various scenarios, one or two players and modem play. AMIGA £35.99

HARPOON Special

Harpoon + Battleset #1 & #2 £31.99

Battleset #2 "North Atlantic Convoys" £14.99

Battleset #3 "The Med Conflict" £14.99

and a Scenario Editor Amiga £19.99

Harpoon BATTLEBOOK (companion book) £16.99

Flight Simulations - Strategy - Sports Simulations
Role Playing - Wargames - Adventures

VISIT our SHOP in Hampton Hill
or send for our 7th Edition CATALOGUE.

Mail Order and Overseas orders welcome.

Phone 081 977 8088 Fax 081 977 4822

28 D&E The Courtyard, High Street, Hampton Hill, Middx. TW12 1PD.

FOOTBALL MASTERS



Football Masters is the very latest Multi-Manager Football Simulator for 16 bit computers. After 4 years of development we are proud to announce the release of the most comprehensive football management game ever. It's waiting to test your skills right now! Features Include:-

Multi-Manager game for 1 to 4 Players. Three levels of difficulty.

Match highlights minute by minute, make substitutions or team changes at any time. Live injuries, yellow/red cards and named goalscorers. 1MB version has extra Graphics, animations and realistic digitised sounds. (An option can turn this feature off).

Full UK and European Cup itinerary. Includes FA, League, Zenith Data, Leyland Daf, European, Cup Winners and UEFA Cups. All cup match rules have been made as accurate as possible. Two Leg Ties, Extra Time, Away Goal Rule, Seeded Draws, Byes, etc.

All 4 league divisions with play-offs and league expulsion

Real initial, surname, league career records, height and age entered for all players as at the start of the 91/92 Season. Five skill ratings per player, separate five for goalkeepers. Plus 15 other special attributes like Captain, Super Subs & Mobility.

A lively and real-time transfer market, with an approach facility, negotiate wages and contracts. Plus loans, free transfers and trainees. Unique and simple training system to improve player skills.

High quality printer facilities to list all the vital information. Masses of historical statistics on past games, players and manager. Quick game data load and save.

All screens updated quickly and displayed in a pleasant format, which is easy to use and comfortable to read. Fully mouse operated. Printed instruction booklet with plenty of diagrams. A separate Editor is available to change saved/initial details.



48 Hour Dispatch Available

A500Plus Compatible

There are many, many other little things that make this game the most addictive and accurate interpretation of a Football Managers season. It would be impossible to list all the features in this advert but we assure you that this is the best. We have thousands of satisfied customers from our previous edition of this game, many are still playing it 18 months after purchase. See the order form below for details on how to order this incredible game. Available for all Atari ST's and Amiga's. PC version coming soon.

Please note 512K versions will not include some features listed above.

WRESTLING MASTERS

An amazing graphical strategic simulator that's fun for all the family. 0, 1 or 2 players on keyboard, mouse or joystick. Pick your moves from the selection available and watch your animated warrior battle it out. Watch the energy bar indicators and plan your moves.

You can edit your very own new wrestler or amend a wrestler already created (16 are provided on the game to begin with). You can change any name, colour of tights, linings, flesh tone and hair together with all the fighting skill values, weight etc. Instructions are also provided which show you how to change the way any wrestler looks or you can create whole new ones. Amiga 1MB RAM. Only £19.95.

24 HOUR CREDIT CARD HOTLINE



(0702) 600557

Answer Phone Outside Office Hours
FAX (0702) 613747



MAIL ORDERS

All the programs detailed in this advert are only available through direct mail from ESP Software.

Name

Address

Postcode

Tel.

I have an computer, please send me the following items:-

Quantity	Description	Unit Cost	Total
	Football Masters 512K	19.95	
	Football Masters 1MB	24.95	
	Football Masters Editor (Not 512K Amiga)	12.00	
	Wrestling Masters (AMIGA 1MB ONLY)	19.95	
	Amiga 512K RAM Expansion	29.00	
	Amiga 512K RAM Expansion + Clock	34.00	
	POSTAGE (Non UK add £1.00, not BFPO)	1.00	
		GRAND TOTAL	

If you have a cheque guarantee card or credit card please write its number on the reverse of your cheque, doing so will ensure dispatch within 48 hours of receipt.

I enclose a Cheque/Postal Order made payable to ESP SOFTWARE.

Cut out and post this form to: (photocopies or written orders are acceptable)

ESP Software (AF), 32a Southchurch Road, Southend-on-Sea, Essex SS1 2ND, UK.

MJC COMPUTER SUPPLIES

Suppliers of Discount Software since 1984

Educational, Local Authority and government orders welcome. European orders please call or write for a quotation. All goods subject to availability, prices subject to change without notice. E&OE.

Prices include VAT and delivery by post.
Courier delivery available on request.
Please allow 5 days for cheque clearance.

TO ORDER: Credit card orders can be placed by calling the telephone number below - or send a cheque/PO's made out to MJC Supplies to:

MJC SUPPLIES (AF)
Unit 2 The Arches, Icknield Way,
Letchworth, Herts. SG6 1UJ.
Tel: (0462) 481166 (6 lines)

Meg Memory for the A500

1 Meg internal (trapdoor) expansion, latest 4 chip design with battery backed clock
MJC PRICE £25.95

NEW - A500 PLUS 1Mb Expansion

1Mb expansion for the A500 Plus - fits in the trapdoor taking your memory to 2Mb - no internal fitting
MJC PRICE £44.95

SUPRA 500RX EXPANSIONS

New memory expansion for the A500 - plugs directly into the HD expansion port - NO INTERNAL CONNECTOR REQUIRED

SUPRA 500 RX 1Mb (expand to 2Mb)	£99.95
SUPRA 500 RX 2Mb (expand to 8Mb)	£159.95
SUPRA 500 RX 4Mb (expand to 8Mb)	£219.95
SUPRA 500 RX 8Mb (expand to 8Mb)	£349.95

CUMANA CAX 354 DISK DRIVE

Quality brand name 3.5" second drive includes thru port, disable switch and FREE Virus X Utility
MJC PRICE £54.95

NEW ROCLITE RF382C DISK DRIVE

New super slimline, super quiet second drive.
MJC PRICE £57.95

A1500/2000 MEMORY EXPANSIONS

SUPRAM memory cards with space for up to 8Mb	
SUPRAM with 2Mb fitted	£149.95
SUPRAM with 4Mb fitted	£199.95
SUPRAM with 6Mb fitted	£259.95
SUPRAM with 8Mb fitted	£299.95

GVP SERIES II A1500 HARD DRIVES

Quality GVP controllers with Quantum drives plus the ability to add up to 8Mb memory (Simms)

52 Mb (11ms) version	£289.95
120 Mb (11ms) version	£479.95

SIMMS Modules - £69.95 per 2 Meg

NAKSHA UPGRADE MOUSE

280 DPI quality replacement mouse - pack includes Mouse House, Mat and Operation Stealth game.
MJC PRICE £21.95

AMIGA WORDPROCESSORS

Kind Words 2 (not A500 Plus)	£29.95
PenPal	£54.95
WORDWORTH v1.1 - SPECIAL OFFER	£75.95

PROTEXT - VERSION 5.5

Latest version of this best selling word processor for those wanting serious processing power, includes new 110 000 word dictionary and Thesaurus (1 meg).
MJC PRICE £99.95

PROTEXT V4.3 - half price	£49.95
PRODATA V1.2 Amiga	£64.95

PROTAR VISTO MONITOR

Based on the Phillips CM8833 the Visto has improved interference suppression and comes complete with all leads.
NEW LOW PRICE £219.95
Free Courier delivery on Protar Monitor.

GVP SERIES 2 A500 DRIVES

Features on board Ram expansion to 4/8Mb with high speed FAASTROM controller. Autobooting, includes excellent easy installation software.

GVP SERIES 2 52Mb version	£369.95
---------------------------	---------

Free courier delivery on these Hard Drives

SIMMS Modules - £69.95 per 2 Meg

AMIGA EDUCATIONAL

FUN SCHOOL - probably the best selling Educational Software for the Amiga - great sound and graphics and now conforms to the National Curriculum (FS3 & FS4)

Fun School 2 -	8 programs per pack
Fun School 2	under 6.....£12.95
Fun School 2	6 to 8.....£12.95
Fun School 2	over 8.....£12.95

Fun School 3 -	6 programs per pack
Fun School 3	under 5.....£15.95
Fun School 3	5 to 7.....£15.95
Fun School 3	over 7.....£15.95

NEW - Fun School 4 - 6 programs per pack		
Fun School 4	under 5.....	£16.95
Fun School 4	5 to 7.....	£16.95
Fun School 4	7 to 11.....	£16.95

All Fun School programs will work with a standard 512k Amiga and the new A500 Plus.

KOSMOS Answerback Junior Quiz - includes 750 general knowledge questions and game reward£14.95

Answerback Senior Quiz - as above but for age 12+£14.95

Factfiles - add-on question packs for the Answerback Quiz:
Factfile Spelling (6-11)£7.95
Factfile Arithmetic (6-11)£7.95

KOSMOS Language Tutors: with a vocabulary of over 2500 words + the ability to add your own - up to GCSE level:
French Mistress£14.95
German Master£14.95
Spanish Tutor£14.95
Italian Tutor£14.95

KOSMOS Maths Adventure: The latest offering from Kosmos covers the National Curriculum maths using a series of four games. There are four difficulty levels and a record of performance can be kept and printed out. (6-14)£17.95

VIDI AMIGA

NEW - TAKE 2

New Animation package from Rombo

MJC PRICE £79.95

VIDI COLOUR SOLUTION

Vidi Colour package - including Vidi Digitiser, Vidichrome software and free Photon Paint

MJC PRICE £84.95

RGB SPLITTER - for use with Vidichrome or Digiview. (includes PSU)

MJC PRICE £59.95

COMPLETE COLOUR SOLUTION

Package includes Vidi Amiga, Vidichrome and the RGB Splitter for a complete colour digitising outfit.

NOTE: For best colour pictures you require a video camera or perfect still frame VCR

MJC PRICE £129.95

Complete Col Solution + Take 2 £179.95

VIDEO TITLING/PRESENTATION

Big Alternative Scroller	£42.95
Broadcast Titler II	£159.95
Broadcast Font Pack	£89.95
Broadcast Font Enhancer Pack	£89.95

ZVP VIDEO STUDIO

Great Video Production package
(1 Meg + 2 drives)

MJC PRICE £89.95

RENDALE 8802 GENLOCK

Quality Genlock offering both Foreground and Background modes.

MJC PRICE £159.95

8802 MODE SWITCH BOX - £29.95

AMOS - The Creator

AMOS V1.2 - The Language	£32.95
AMOS COMPILER	£19.95
AMOS 3D	£21.95

MISCELLANEOUS

Deluxe Paint 3 Video Tutorial	£17.95
Stereo Master	£29.95
Techno Sound Turbo	£29.95
Personal Finance Manager	£22.95
Maxiplan Plus	£34.95
Home Accounts 2	£36.95
DELUXE PAINT 4	£59.95

LCL SOFTWARE

Primary Maths Course (3-12)	£19.95
Micro Maths (GCSE level)	£19.95
Micro French (GCSE level)	£19.95
Micro English (GCSE level)	£19.95
Reading and Writing Course	£19.95

PRISMA Prof Plays A New Game (4-9)

Designed to teach youngsters a sight vocabulary of 63 words, the pack includes 5 easy reading books and an audio cassette£19.95

SOFT STUFF Magic Storybook (5-14)

Five animated stories featuring great sound and graphics plus the ability for children to "edit" the stories adding different sounds and graphics - even make up their very own story! (1 meg)£23.95

HOORAY FOR HENRIETTA (age 5-12)

Making maths fun - covering the four basic maths operations with 8 skill levels and a parent section for customisation£17.95

HENRIETTA'S BOOK OF SPELLS£17.95

Further information on our Educational range is available in our Educational Supplement - on request

VISA

Remember - prices include VAT & delivery!

Access

SOFT EXCHANGE

Offers you the best in quality service and prices.
All our diskettes are of high quality Japanese media.

*** THIS MONTHS SPECIAL OFFERS ***

10 DS/DD Disks + 100 Cap Lockable Boxes	£12.99	200 DS/DD Disks + 2 x 100 Lockable Boxes	£83.99
20 DS/DD Disks + 100 Cap Lockable Boxes	£16.50	300 DS/DD Disks + 3 x 100 Lockable Boxes	£126.99
30 DS/DD Disks + 100 Cap Lockable Boxes	£19.99	400 DS/DD Disks + 4 x 100 Lockable Boxes	£167.50
40 DS/DD Disks + 100 Cap Lockable Boxes	£23.99	500 DS/DD Disks + 5 x 100 Lockable Boxes	£207.99
50 DS/DD Disks + 100 Cap Lockable Boxes	£27.99	1 Banx + 50 DS/DD Disks	£30.99
100 DS/DD Disks + 100 Cap Lockable Boxes	£43.99	2 Banx + 100 DS/DD Disks	£57.99
150 DS/DD Disks + 2 x 100 Lockable Boxes	£62.99	3 Banx + 250 DS/DD Disks	£114.99

WE ONLY STOCK THE BEST QUALITY DISKS SO WHY BUY FROM ANYWHERE ELSE

PANASONIC BULK 3 1/2 DS/DD	SONY BULK 3 1/2 DS/DD	TDK 3 1/2 DS/DD BRANDED
10	4.99	5.99
20	9.75	10.99
30	14.50	15.99
40	18.49	19.49
50	21.99	24.99
100	40.99	45.99
150	58.99	63.99
200	75.99	89.99
250	94.99	109.99
300	113.99	P.O.A
400	149.99	P.O.A
500	184.99	P.O.A
1000	365.99	P.O.A

Includes Labels and Lifetime guarantee.

1 Banx Stackable Boxes 90	£9.99	2 Banx Stackable Boxes 90	£17.99
3 Banx Stackable Boxes 90	£25.99	4 Banx Stackable Boxes 90	£33.99
5 Banx Stackable Boxes 90	£39.99	40 Cap Lockable Boxes	£5.99
80 Cap Lockable Boxes	£7.99	100 Cap Lockable Boxes	£8.99
Mouse Mat	£2.99	Disk Labels 100	£2.50
Disk Labels 200	£3.50	Disk Labels 500	£7.50
Disk Labels 1000	£13.99	Key Board Cover	£4.99
Monitor Cover	£6.99	Logitech Mouse	£19.99
50 3 1/2 DS/HD	£29.99	100 3 1/2 DS/HD	£57.99

All prices include VAT, post and packing in UK, overseas orders please write or telephone. To order please send Cheque/P.O. made payable to

SOFT EXCHANGE

101 Clifton Road, South Norwood, London SE25 6QA

Tel: 081 653 9094 (24 HRS ORDER LINE) ACCESS/VISA ACCEPTED.

Government and Educational orders quoted at very competitive prices. Prices can be subject to change.

"INCREDIBLE!....."

... the only word needed to describe the greatest sampling tool ever released to the public. (Dance Music Report, USA).

THE ESSENTIAL AMIGA MUSIC ACCESSORY ZERO-G DATAFILE AMIGA

SAMPLE LIBRARY FOR DANCE MUSIC IN IFF FORMAT FOR MUSICIANS - DJs - PROGRAMMERS - DANCE PRODUCERS

Produced by one of the UK's leading dance music pioneers:

Ed Stratton, alias **MAN MACHINE** (Rhythmic King), a.k.a.

JACK 'N' CHILL (Virgin Records)

There's a huge buzz in the music industry at the moment

about the Zero-G dance sample library -

and now it's available for the Amiga!.....

The ZERO-G disks offer a huge selection of superb quality sound samples from the already famous Zero-G professional library saved in IFF format for use in most Amiga music and sequencing packages:

A series of TEN 5-disk volumes - first two volumes out now!.....

ZERO-G DATAFILE AMIGA VOL.1 - BREAKBEATS 1

72 killer rhythm loops for today's most happening dance styles

ZERO-G DATAFILE AMIGA VOL.2 - VOCAL HOOKS 1

Hundreds of totally new streetwise vocal gems - hits/hooks/FX

WHAT THE DJ TECH MUSIC MAGS SAY ABOUT THE ZERO-G DANCE SAMPLE LIBRARY

"Unreservedly excellent...The most comprehensive dance sample resource currently in circulation... Ammunition from the front line...An unbelievably valuable addition to your sample library." (Music Technology, UK) "As a source of sounds and inspiration, Zero-G really works!" (Home & Studio Recording, UK) "Why spend loads of money and countless hours searching for your own samples when someone with an ear for credible material and a proven track record has already done the hard work for you?" (Streetsound Magazine, USA, about Zero-G samples). "Incredible!... vocals so fierce you have to hear them for yourself... The voice samples I've never heard anywhere before. Whether you're a producer, remixer, engineer or a DJ with a sampler, this is a must for your sample collection" (DMR Dance Music Report, USA) "An invaluable tool for the professional sound technician." (DJ Magazine, UK). "Stratton knows his business!" (International Musician). "All the raw material needed to assemble house or techno tracks to a very high standard...given Ed Stratton's ear for what works." (Sound-On-Sound, UK).

Coming Soon in the ZERO-G series, a further 8 volumes....

Sci-Fi & Techno FX Vols 1+2 (games programmers take note!); Dance Percussion (inc. human beatbox); Miss. House FX (inc. pro-quality scratching); Spoken Drop-ins (inc. robots/aliens); Classic Dance Drum Machines (inc. TR808 + TR909); Breakbeats Vol. 2; Vocal Hooks Vol.2.

Each volume comes with comprehensive instruction manuals and indexing and full technical helpline support is provided. As you purchase additional sets in the Datafile range, you'll see your library of sounds and effects develop into a powerful and unrivalled reference source fulfilling all your sample requirements, and unequalled in quality and ease of use.

CAN BE USED WITH ALL OF THE FOLLOWING:

SEQUENCER ONE
SuperJAM!
INSTANT MUSIC
MUSIC-X
OCTAMED
QUARTET
AUDIOMASTER III
INTERSOUND

BARS & PIPES PRF
TFMX 1&2
KCS
SONIX
AUDITION 4
MUSIC COMPOSER
OKTALYSER
DMCS (Deluxe Music Const)

DIGITAL MUSICIAN
DYNAMIC DRUMS
GMC (Game Music Creator)
MASTER SOUNDTRACKER
MED (Music Editor)
NOISETRACKER
PROTRACKER
ETC. ETC.

The entire Zero-G library is also available on 3 standard CDs (1000 samples on each) for sampling into any hardware samplers - £49.95 each or £139.95 for all three.

To order Zero-G Datafile Amiga 1 or 2, or the CD versions, call our 24-hour order line on: 0442 870681 (Access/Visa/Amex) or Fax us on 0442 877086.

TIME+SPACE, PO Box 306, Berkhamsted, Herts HP4 3EP, England

Please send me: ☐ Zero-G Datafile Amiga Vol.1. "Breakbeats 1" @ £29.95
☐ Zero-G Datafile Amiga Vol.2. "Vocal Hooks 1" @ £29.95

I enclose a Cheque/Postal Order to value of £ made payable to "TIME+SPACE" or: Please debit my Access/Visa/Mastercard/Amex credit card:

NUMBER: _____ EXP. DATE: _____

ADDRESS: _____

POSTCODE: _____ TELEPHONE: _____

(ALL PRICES INCLUDE V.A.T. and post) DELIVERY: Orders despatched within 14 days of receipt of payment. UK: post free, International Order: please add

☐ £5.00 Air-mail ☐ £10.00 Express Air-mail.

Swift Microcomputers Ltd

84 High Street North, Dunstable, Bedfordshire, LU6 3HP

Tel: (0582) 476257 Fax: (0582) 478258

COMPUTERS

COMMODORE CDTV
£446

AMIGA A500 +
CARTOON
CLASSICS
£349

AMIGA A500 + 2Mb
RAM CARTOON
CLASSICS
£399

A500 WITH
1Mb RAM EXTERNAL
DRIVE
£369

SUPRA 52Mb HD
£375

SUPRA 105Mb HD
£475

GVP 52Mb HD
£375

3.5" DS/DD DISKS

50	£21.00
100	£33.00
250	£77.00
500+Call for best price	

3.5" DS/HD DISKS

10	£6.00
50	£28.00
100	£54.00

UPGRADING

Internal drive....	£48
External drive....	£49
Cumana drive....	£59
5Mb RAM.....	£21
1Mb RAM (+)....	£41
2.04 K/Start....	£49
Hi-res S/Denise....	£36
Fatter Agnus....	£49
ROM Sharer....	£29

PRINTERS

Canon BJ10e....	£239
Star LC20.....	£150
Star LC24-10....	£219
Star LC200.....	£209
Star LC24-200....	£269

PHILIPS
CM8833 Mk2
£215
inc. lead

KAO BRANDED
3.5" DS/DD

Box of 10 DS/DD
£6.50

HOW TO ORDER

Visit our showroom with easy parking or send cheque/postal order to the above address. Visa and Access accepted.

ALL PRICES INCLUDE VAT AND DELIVERY
ADD £9 FOR NEXT DAY DELIVERY

Rubyssoft

(Dept AMF), 3 Crefeld Close,
London, W6 8EL (No callers)
Tel: 071 381 8998/071 610 1703
Fax: 071 610 1703

RUBY SERIOUS

ST	Amiga	STOS 600 Sprites ..	13.99	N/A
3D Construction Kit	28.99	STOS Compiler	17.99	N/A
AMOS Creator	N/A	STOS Maestro	17.50	N/A
AMOS Compiler	N/A	Fun School 2 (Under 6)	14.50	14.50
AMOS 3D	N/A	Fun School 2 (6-8)	14.50	14.50
Demise Paint 4 (1 meg recommended)	N/A	Fun School 2 (8+)	14.50	14.50
Disney Animation Studio	N/A	Fun School 3 (Under 5)	17.50	17.50
G B Route Plus	N/A	Fun School 3 (5-7)	17.50	17.50
Home Accounts 2	39.99	Fun School 4 (Under 5)	17.99	17.99
Project vs (1 meg recommended)	109.00	Fun School 4 (5-7)	17.99	17.99
STOS	21.50	Fun School 4 (7-11)	17.99	17.99
		The French Mistress	14.45	14.45

The German Master	14.45	14.45	Factfile 500 Know England (12+)	10.16	10.16
The Spanish Tutor	14.45	14.45	Factfile 500 Know Scotland (12+)	10.16	10.16
The Italian Tutor	14.45	14.45	Factfile 500 20th Century History (12+)	10.16	10.16
Answer Back Junior Quiz (6-11)	14.45	14.45	Factfile 500 Gen Science (14+)	10.16	10.16
Answer Back Senior Quiz (12-Adult)	14.45	14.45	Factfile 500 First Aid (12+)	10.16	10.16
Answer Back Sport (All Ages)	14.45	14.45	Factfile 500 Association Football (12+)	10.16	10.16
Factfile 500 Spelling (6-11)	10.16	10.16	Factfile 500 Sport (14+)	10.16	10.16
Factfile 500 Nat History (10)	10.16	10.16	Factfile 500 Super Sports (14+)	10.16	10.16
Factfile 500 Anthology (6-11)	10.16	10.16			
Factfile 500 Jun Gen Knowledge (6-11)	10.16	10.16			
Factfile 500 Sen Gen Knowledge (12+)	10.16	10.16			
Factfile 500 English Words (12+)	10.16	10.16			

Please note you must have an "Answer Back" to use Factfile 500 titles.

RUBY CHARTBUSTERS

ST	Amiga	Mad Dog Williams*	19.99	19.99
4D Sports Driving	N/A	Magic Pockets	16.99	16.99
A10 Tank Killer	N/A	Magic Story Book	19.99	19.99
A320 Airbus*	24.99	Magnetic Scroll	19.99	19.99
Action Stations 1 meg	N/A	Maupiti Island	15.99	15.99
Ayudias Golden Shoe *	17.99	Medieval Warriors	N/A	17.50
Agony *	19.99	Mega Lo Mania	19.99	19.99
Alien Breed 1 meg	17.99	Mega Twins	16.99	16.99
Alien Storm	17.99	Mesozoic 3	18.99	18.99
Altered Destiny	N/A	Microprose Form 1 Grand Prix	24.99	24.99
Another World*	16.99	Microprose Golf	22.99	22.99
Apocalypse	17.99	Mig 29 Super Fulcrum	24.99	24.99
Assault on Alcatraz *	17.99	Might and Magic III*	N/A	18.99
Adventure	N/A	Midwinter 2 1 meg	20.99	20.99
Armageddon	16.99	Moontbase*	22.99	22.99
Armalyte	16.99	Moontbase	19.99	19.99
Baby Jo *	17.99	Monkey Island 1 meg	15.99	15.99
Barbarian 2 (PSY)	16.99	Monkey Island 2* 1 meg	16.99	16.99
Barbarian Tale 3	16.99	Myth History in The Making*	16.50	16.50
BAT	23.99	Nebulas 2	16.99	16.99
Battle Chess	16.99	Neverending Story 2	16.99	16.99
Battle Chess 2	17.99	Neighbours*	16.99	16.99
Battle Command	16.99	Ork *	16.99	16.99
Battle Island	19.99	Outrun Europe	16.99	16.99
Battle Master	18.99	Paperboy 2	16.99	16.99
Birds of Prey 1 meg	N/A	PGA Tour Golf + data disk	N/A	20.99
Black Crystal*	17.99	Data disk for PGA tour	N/A	12.99
Blade Warrior *	17.99	Pilgrimage	16.99	16.99
Blue Max	19.99	Pools of Darkness	19.99	19.99
Bonanza Brothers*	17.99	Populous 2	19.99	19.99
Breach 2 (enhanced)	20.99	Powermonger	19.50	19.50
Brides of Dracula*	17.99	Rhedral 2	16.99	16.99
Captain Planet	17.99	Rhedral 2	16.99	16.99
Castles*	19.99	Roadblock Tycoon	22.99	22.99
Centurion	N/A	Road Baron	24.99	24.99
Celtic Legends	21.99	Reach for the Stars	24.99	24.99
Charge of the Light Brigade	19.99	Realms	19.99	19.99
Chase HQ 2	16.99	Rise of the Dragon	24.99	24.99
Chintoo Revenge*	16.99	Rubicon (James Pond 2)	16.99	16.99
Cisco Heat	16.99	Rubicon 2	16.99	16.99
Conan The Conqueror	19.99	Robocop 3	15.99	15.99
Crime City	19.99	R-Type *	16.99	16.99
Cruise for the Corpse	16.99	Rugby The World Cup	15.99	15.99
Cyber Fight	10.99	Saravali*	13.99	13.99
Deathbringer	17.99	Search For The King	22.99	22.99
Deluxe Strip Poker II	17.99	Shadow Sorcerer	18.99	18.99
Deuteros	17.99	Shadow of the Beast 2	17.99	17.99
Diplomacy	13.99	Silent Service 2 1 Meg	22.99	22.99
Double Dragon 3 (Rosetta)	16.99	Sim Earth *	17.99	17.99
Dragons Lair 2 Time Warp	27.99	Simpsons	15.99	15.99
Dragon Wars	16.99	Smash TV	16.50	16.50
Dynomite Debugger*	16.99	Space Ace 2 Boris Revenge*	24.99	24.99
E.T.	16.99	Space Crusader*	16.99	16.99
Elvira The Arcade	17.99	Space Quest IV*	25.99	25.99
Elvira Mistress of the Dark 2*	24.99	Speedball 2	16.99	16.99
Epic*	16.99	Scimit of Excalibur	19.99	19.99
Eye of the Beholder	N/A	Starlight II	N/A	16.99
Eye of the Storm	19.99	Star Trek V *	17.99	17.99
Exile*	16.99	Strike Fleet	16.99	16.99
F15 Strike Eagle 2 1 meg	23.99	Super Cars 2	15.99	15.99
F19 Stealth Fighter	19.99	Super Space Invaders	15.99	15.99
F29 Retaliator	16.99	Supremacy	19.99	19.99
F117A *	21.99	Suspicious Cargo	16.99	16.99
Face Off Ice Hockey	16.99	Switchblade 2	16.99	16.99
Flight of the Intruder	20.99	Terminator 2	15.99	15.99
Floor 13*	18.99	Test Drive 3 *	19.99	19.99
G Lock *	16.99	The Adventures of Robin Hood	16.99	16.99
Gauntlet 3	16.99	Their Finest Hour	19.99	19.99
The Godfather	19.99	Their Finest Hour Mission Disk*	12.99	12.99
Gunsling 2000*	21.99	Thunderhawk AH 13M	18.99	18.99
Hard Nova	16.99	Tilt	14.50	14.50
Harpoon 2	24.99	Tip Off *	16.99	16.99
Harpoon Battle Set 3	10.50	Tok	15.99	15.99
Harpoon Editor	12.99	Top Wrestling *	17.99	17.99
Herodotus	23.99	Trivial Pursuits	16.99	16.99
Hero Quest	17.99	Turtles Arcade Com Op*	16.99	16.99
Hero Quest/Return of the Witch Lord	19.99	TV Sports Basketball	19.99	19.99
Hunter	17.99	Ultima 6	19.99	19.99
International Ice Hockey*	17.99	Under Pressure*	16.99	16.99
Jelisons	10.99	Vengeance of Excalibur	N/A	19.99
Jimmy White's Snooker	19.99	Video Kid*	16.99	16.99
Joe Montana Football*	17.99	Volfied*	16.99	16.99
Kings Quest V	26.99	Vroom	15.99	15.99
Killing Cloud	10.99	White Death 1 meg	15.99	15.99
Knights of the Sky	N/A	Wild Wheels*	15.99	15.99
Knightmare	19.99	Willy Beardsley	24.99	24.99
Leander	15.99	Wolf Child*	16.99	16.99
Leisure Suit Larry 3	26.99	Wonderland	18.99	18.99
Leisure Suit Larry V*	26.99	Wrath of the Demon	19.99	19.99
Lemmings	15.99	W W F	15.99	15.99
Lemmings Data Disk	12.99	Half Meg Upgrader/Clock	N/A	29.99
Lemmings On Not More Stand Alone	16.99			
Lord of the Rings	N/A			
Lotus Turbo Challenge 2	16.99			
M1 Tank Platoon	20.99			

* Please note titles not released at press date will be despatched within 24 hrs if released to availability. Any titles not shown please phone

RUBY SPECIALS

Daily Double Horse Racing	6.99	6.99	JOYSTICKS		
Hoyle's Book of Games	N/A	10.99	Cruiser (black)	9.99	Pro 5000 Extra 13.99
Killing Cloud	10.99	10.99	Navigator	12.99	Zip Stick SuperPro 13.99
The Rubyssoft "Kul" That Virus	N/A	2.75	Speeding Autofire	9.99	

RUBY CLASSICS UNDER £10

	ST	Amiga	Last Ninja 2	6.99	6.99
Altairturner	6.99	6.99	Jet Set Willy First time on Amiga!	N/A	6.99
Altered Beast	6.99	6.99	Led Storm	2.99	4.99
Arkand Revenge of Didi	6.99	6.99	Lombard RAC Rally	6.99	6.99
Axe's Magic Hammer	6.99	6.99	Motorwaker	6.99	6.99
Barbarian	6.99	6.99	Operation Wolf	6.99	6.99
Barbarian 2	6.99	6.99	Outrun	6.99	6.99
Barman Caped Crusader	6.99	6.99	Pac Land	8.99	8.99
Batman The Movie	6.99	6.99	Pac-Mania	8.99	8.99
Bionic Commandos	6.99	6.99	Platoon	6.99	6.99
Bubble Bobble	6.99	6.99	Powerdirt	6.99	6.99
California Games	6.99	6.99	Predator	6.99	6.99
Crazy Cars	6.99	6.99	R Type	6.99	6.99
Daily Thompson Olympic Challenge	6.99	6.99	Renegade	6.99	6.99
Dragon Ninja	6.99	6.99	Sushi	6.99	6.99
Driver	6.99	6.99	Street Fighter	6.99	6.99
Forgotten Worlds	6.99	6.99	Super Scramble Sim	6.99	6.99
Games Summer Edition	6.99	6.99	Switchblade	6.99	6.99
Gauntlet 2	6.99	6.99	Thunderblade	6.99	6.99
Ghosts of the Past	6.99	6.99	Turbo Outrun	6.99	6.99
Heroes of the Lance	6.99	6.99	Turman	6.99	6.99
Impossible Mission 2	6.99	6.99	Vigilante	6.99	6.99
Indiana Jones Last Crusade	6.99	6.99	Wrong Class Leaderboard	6.99	6.99

COMPILATIONS

TEN GREAT GAMES Zenon 2, Form 1, Rick Dang, Carrier Command, Pro Tennis Tour, Satan, Pick and Pile, Night Hunter, Super Ski and Chase HQ. All the ten games only £20.99	CHALLENGERS Kick Off, Super Ski, Fighter Bomber, Great Courts and Stunt Car Racer. Five games only £18.99
BIG BOX Captain Blood, Safari Guns, Teenage Queen, Bubble Bobble, Tin Tin On The Moon, Purple Saturn Day, Krypton Egg, Jumping Jackson, Bo Bo and Hostages. Ten games only £16.99	AIR LAND AND SEA 688 Sub Attack, Indy 500, FA18 Interceptor. One Great Comp only £22.99
FIRST SAMURAI/MEGA-LO-MANIA PACK Two very new games only £25.99	SOCCER MANIA Football Manager 2, Gazzas Soccer, Microprose Soccer and Football Manager 2 World Cup Edition. Four games only £9.99 AMIGA ONLY
GRANDSTAND Gazzas Super Soccer, Pro Tennis Tour, World Class Leaderboard and Continental Circus. Four games only £18.99	AIR COMBAT ACES Fighter Bomber, Gunship and Falcon. Four great Sims only £18.99
DOUBLE DOUBLE BILL TV Sports Football, Lords of the Rising Sun, TV Sports Basketball and Wings. Four great games £21.99 AMIGA ONLY	QUEST AND GLORY Cadaver, Midwinter, ★ Bat and Bloodwych, ★ ST Version, Iron Lord Instead of Bat. All Four games only £18.99
AIRSEA SUPREMACY Silent Service, F15 Strike Eagle, Carrier Command, P47 and Gunship, ★ Amiga Version ★, Wings instead of F15 Strike Eagle. Fantastic comp only £19.99	NINJA COLLECTION Double Dragon, Shadow Warrior, Dragon Ninja. Three games only £15.99
2-HOT 2-HANDLE Shadow Warriors, Golden Axe, Total Recall and Super Off Road Racer. Four games only £18.99	BOARD GENIUS Monopoly Deluxe ★, Scrabble Deluxe, Cluedo and Risk. Four games only £16.99 ★ ST version has no Monopoly only £15.99
THE DIZZY COLLECTION Fast Food, Kwik Snax, Fantasy World Dizzy, Treasure Island Dizzy, Magician Dizzy. Five good games only £16.99	SUPER SEGA Super Monaco GP, Golden Axe, Crackdown and Eswat. All Four games only £19.99
SUPER HEROES Robocop 1, Indiana Jones, Last Ninja II, And The Spy Who Loved Me. All four games for only £18.50	QUEST FOR ADVENTURE Operation Stealth, Indiana Jones The Adventure and Mean Streets. Three games only £22.99
TOP LEAGUE Speed Ball 2, Rick Dangerous 2, TV Sports Football, Midwinter and Falcon. Our best seller for only £18.99	AD+D COLLECTORS EDITION Hillsfar, Heroes of the Lance and Dragons of Flame. All three games only £21.99
MAGNUM 4 Alterburner, Double Dragon, Operation Wolf and Batman's Capes. Four games only £17.99	FULL BLAST Chicago 90, Rick Dangerous, Highway Patrol 2, P47, Carrier Command and Ferrari Formula 1. All six games only £17.99
RAINBOW COLLECTION Bubble Bobble, Rainbow Islands and New Zealand Story. Three Fantastic games only £13.99	

Please note: credit card orders are not debited until date of despatch

Please charge my Access/Visa No:

ORDER FORM     

Please supply me with the following for Computer

Titles	Price

Date:

Name:

Address:

Post Code:

Tel:

Valid from: Expiry date:

Switch Issue No:

Business hours
10am - 6.00pm
Monday to Saturday
After hours +
Sundays Ansaphone
order hotline:
071 610 1703
★ This number is a
fax/tel switch
system. Listen to the
announcement
and wait

Please make cheques & PO payable to **Rubyssoft**.
Credit card orders cashed only on despatch. (Please
note we do not make any charge for credit card orders)
Please add 75p p&p per item for all UK orders, EEC
countries add £2.50 per item, non EEC add £3.50 per
item, all other countries add £4.50 per item. All items
are subject to availability, all prices subject to change
without notice. E&OE. Please note mail order compa-
nies may take up to 28 days to deliver goods from
receipt of orders. Please allow for cheque clearance.
(Dept AMF April 92) Export orders welcomed

SMART AMIGA

FROM: A LYALL, TATTERSHALL

I vaguely remember (many years ago) in a computing magazine, there was a program which gave the impression of artificial intelligence. While not being in the HAL 9000 class – from the film *2001* – it could nonetheless conduct a conversation with the person using it, by putting up messages according to what was typed in. Do you know of any similar program for the Amiga?

The program you mention is called *Eliza*. It's pretty naff (to be honest) but an Amiga version was on Coverdisk 18, sadly now sold out. You could see if any of your friends have that particular issue. There was another similar program on that Coverdisk, namely *Niall* (Non-Intelligent-Amos-Language-Learner).

Niall was clever in that it could actually learn from what you typed in. Unfortunately, that version of *Niall* was temperamental. I may be putting a compiled (faster machine code) version on a future Coverdisk if enough people show interest.

```

NIALL:Pardon.
USER: I said do you like Chess.
NIALL:Yes of thernonuclear war.
USER: Cup of coffee?
NIALL:Sometimes.
USER: Four minute coffee and chess.
NIALL:Okay.
USER: I want to play the Russians.
NIALL:I an not want to have a nice game of coffee.
USER: Lighten up dude.
NIALL:Cup of coffee.
USER: What do you think of Frank?
NIALL:No i need to have to play the fun sort.
USER: Are you smart?
NIALL:Okay.
USER: Speedball II - Poetry in notion.
NIALL:I went to.
USER: Where?
NIALL:Are not want to spain once.
USER: What is the secret?
USER: Life the universe etc?
NIALL:Greetings niall.
USER: -

```

Niall is probably one of the most bizarre Artificial Intelligence programs – it gets smarter as you type into it.

Also, do you know of a good PD word processor with a spell checker?

There are no such programs, but there is a separate PD spell-checking program called *Amiga Spell*. It has a small dictionary (3,000 words) but it can be taught many more. You could use any PD text editor such as *TextPlus 2.0*, *TextEngine 2.1* (my favourite), *WordPlus*; there are many others. Then, when you saved the document, you could use *Amiga Spell* to check the spelling.

COLOUR PRINTING

FROM: NICK PERRINS, WALSALL

I am writing to ask you your opinion on colour printers for under £300. I was considering the Citizen Swift 224 and the 24e. But I know you think the Canon BJ10e is very good too. A lot of the printers can print at high speed, but my main concern is the quality of printed graphics, although I expect reasonable performance at printing text too.

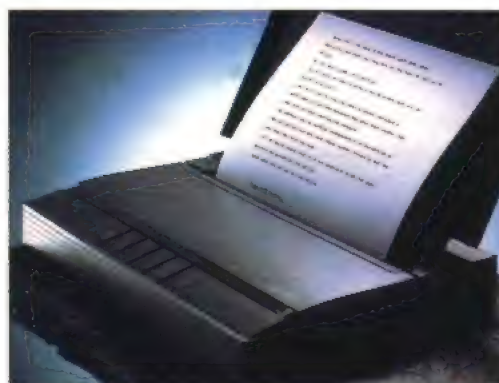
Right, first an admission and apology to a lot of readers. The Canon BJ10e is NOT a colour printer (although I have been saying it is in recent issues). The reason why I made such a silly mistake is simple: at the time I was asked whether or not it was colour, I couldn't find the printer itself and I couldn't remember. So I looked at the packaging, which said that it was a colour/black type (the word colour was marked over).

Workbench

Advice, hints and tips: on the intricate – and not-so-intricate – workings of the Amiga and its peripherals. That's **Pat McDonald's** sole mission on these pages. If you need help, then he's here to give it.

I just assumed that the BJ10e was available in both forms from this, and never checked more thoroughly (I was half sure that it was colour). I didn't think that the message wasn't saying what it printed – it was saying what colour the case of the printer was! In this case, black. Someone must have been testing out a marker pen on the box...

Of the two printers you have talked about the 24e should give much better graphic dumps, although the 224 (I'm not very familiar with this type) should print text documents faster.



The Canon BJ10e is not, I confess, a colour printer after all. My most humble apologies for such a stupid mistake.

MISSING DRAWERS

FROM: ANDREW CANON, AUSTRALIA

I have been attempting to design my own split image icon for use as a drawer. I have copied the Empty drawer from my Workbench 1.3 disk. I have then split this icon using the *IconMerge* program on the Extras disk.

I then edit it with *IconEd*, and saved the two images back to disk before joining them into one icon with *IconMerge* again. The actual changing image works fine when I click once, but when I double click to open the drawer itself, I get an error message telling me that the drawer cannot be opened. I'm a relative beginner, so tell me in simple terms what am I doing wrong?

An icon is just a picture to click on. What you're missing is a directory with the same name (in this case, empty). You're clicking on an icon, but your Amiga cannot find anything with the same name. To make a directory from the Shell, type:

```
Makedir: nameofmydisk:Empty
```

It should work then. For nameofmydisk, put the name of the disk that you're editing icons on. If the name has spaces in it, then you must put double quotes around the whole thing, for example:

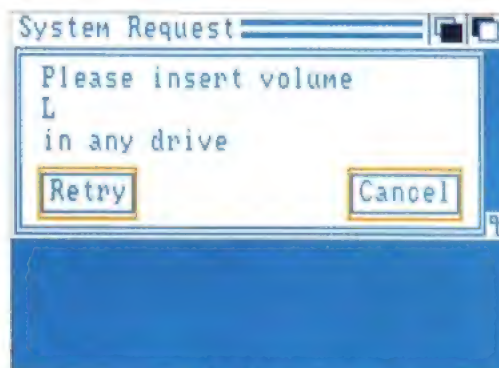
```
Makedir: "Name of my disk:Empty"
```

L FOR LEATHER

FROM: STEVEN DAVIS, NEWCASTLE

I am very concerned about some of my games and how they work on my Amiga. They usually load fine, but sometimes when I finish a certain stage or level it doesn't work. When they are working, I often get a message telling me to insert volume L into the disk drive.

1) What is volume L?



If your computer displays this message, then the chances are that it's looking for a disk-validator program in the L directory of the disk. Because it can't find one, it assumes that L is a different disk.

Well, it's not really a volume. On most AmigaDOS disks there is a directory called L, which contains programs to set up the Amiga properly when it first boots up. For instance, *ram-Handler*, the program which sets up the RAN disk, is usually kept here.

However, if AmigaDOS cannot find an actual L directory on the disk you booted from, then it assumes that you have a separate disk called L containing the programs that it needs to load.

2) Why is my Amiga asking for it?

This is probably because it's trying to load the disk-validator program, which is kept in the L directory. The disk-validator program checks the disk on its own to see if there are any checksum errors on the disk which contains it.

However, because disk-validator is run automatically when you insert a disk, it makes a great place for viruses to hide. The best way to find if you have a disk-validator virus is to use the *V-Check 5.26* on last month's disk. Start it from the menu, move the mouse pointer to the bar saying "Virus Checker" and click once with the left, then the right mouse buttons.

Incidentally, you often get this message with our Coverdisks. It doesn't mean that you have a virus – just that there isn't a disk-validator file on the disk. There usually is not enough space on the Coverdisk for such a file, and even if there were some readers would find their disks being infected by viruses.

ROCK ON AMIGA

FROM: PAUL DAVIDSON, BALLYMENA

I have been considering buying a sound sampler package and was wondering which one to buy?

The best is *Audio Engineer Plus*, but at over £150 it's expensive. *Technosound Turbo* gives a similar level in sampling quality, but the software is not so good. You can use the *Audio Master* software from *Engineer* with practically any sampler (all sampling cartridges work with all software, except being Dattel's *Sample Studio 2*). *Sound Master* is a good alternative (£30-£40). *Audition 4* is another good sampling program.

In plain English, buy *Technosound Turbo* or *Studio Master*. Then when you want a better program (either *Audio Master* or *Audition 4*) for better recording and editing facilities, you don't have to buy a different sampling cartridge. We sell either of the above on our Mail Order pages on P192. The reason why we sell those particular types is that they scored the best in our reviews before our Mail Order stocked them for sale.



StereoMaster looks a lot better than *Technosound Turbo*, but the options are slightly more limited. It's a good place to start though.

I would like to grab guitar sounds and maybe distort them. I'm very interested in composing rock music by using my Amiga, and I'm wondering how the chords would sound from my guitar or a commercial rock album?

Oh dear. Well, they sound fine (if you're sampling fast enough) when you play them at the same sample rate. However, when you change the rate at which the sample plays, chords often go off key. This isn't so bad when you play the same note at a different octave – but when you try and change the note to one of very similar tone, it goes out of tune!

The way around this problem appears to be having several different samples of the same chord played at different tones, and using the one that fits. It's very fiddly but with a bit of patience and perseverance (1Mb of chip memory for the samples helps) it can be done.

NO HARDCOPY REQUIRED

FROM: KELVIN ASTON, ISLE OF ARRAN

I've got a little program I want to send in for the Coverdisk. While looking down the checklist I saw the fatal words "Readme.Doc" printed.

I'm sure that somewhere in my collection of *Amiga Formats* there was an item on copying *PPmore* (the popular text viewer program that you use) from the Coverdisk to an Empty disk but I can't find it.

It's probably really simple but when I try I can only copy the whole disk. Please print the article again. If I am, however, hallucinating – it was never printed at all – please tell me how to do it anyway.

Here's how you do it. Load up Workbench, double click on the Shell, and type (for this month's issue: *PPmore* is on the *Myth* disk):

```
Copy from Coverdisk33b:c/PPmore to
Name_of_my_disk:c
```

It is generally a good idea to keep all utility programs like *PPmore* in the C (commands directory) on *Name_of_your_disk*. It just helps to sort them out from the rest of the disk. You were probably using the *Diskcopy* command (for copying a whole disk) rather than the *Copy* command (which is used for copying individual files or directories).

Incidentally, we no longer bother printing the Coverdisk submissions checklist; partly because if a submission isn't up to scratch we ask for changes; but also because due to long exposure to Public Domain software I can generally find my way around any submission. Don't let it bother you – concentrate on the quality of the programs and documentation, rather than the form in which you present them to me.

PROSPECTIVE USER

FROM: PAUL W SCOULDING, EASTBOURNE

Last year I was an Atari ST fan but due to a bad deal I lost my ST and I am now intent on replacing it with an A500 Plus. From what I've heard of the machine it sounds great, but there are a couple of questions that I would like simple answers to:

1) If I fit my Amiga with more than 1Mb of memory, what will improve? The quality of the gameplay? The graphics of the games? The sound?

Quality of gameplay will not change in most cases, except the few games that use extra memory to read in more from a disk. This means that the disk drive is not used very often, which doesn't affect the gameplay but does affect the pace. Sometimes it pays to have large memory for games, but this is rare.

The graphics of a game is likely to change only gradually for Amiga's with more than 1Mb. Only one commercial game actually needs this (*Hare Raising Havoc*, reviewed on Page 85) at present but there will certainly be more. Sound can also be improved by having a fair amount of memory, but again practically all games only need one megabyte.

Where extra memory does come in useful is when you're using 'serious' (non-games) software. If you've got the odd megabyte or two extra, then you can really use the Amiga as creative tool. See the article on memory on Page 154 for more information.

2) I'm new to the Amiga so will I be able to control the Workbench from the keyboard only? How easy is it to change the look and feel of Workbench?

Workbench 2 (on the A500 Plus) allows you to do most of the everyday tasks using just the mouse. The Shell gives you a gateway via the keyboard into the heart of the Amiga disk operating system.

Changing the look and feel of Workbench is easy, but getting it looking better than it came on the disk depends partly on your artistic temperament and also on your ability to use the Shell properly.

3) I would like to assign chosen keys on the Amiga with certain sound effects, like Phazers, Zappers, Explosions and so on. Where would I start?

That depends on when you want them to play. If you want to do this to add sound effects to an existing game, forget it, unless you're a machine code hacker.

However, if you want to be able to do this without anything else going on it's fairly easy. You can also setup the keyboard to do this when using the Shell (but not Workbench – that's based on the mouse).

Where you start depends on how much you know already. There are plenty of Tracker programs around, which let you arrange and mix sound samples as you please, and save the songs to disk. It's not difficult to get some enjoyment out of these programs, but to use them properly needs time and a musical temperament.

For playing sounds through Shell it's relatively easy, but expect some frustration when learning how to use it. If you're a fair programmer in say, Basic or C, and you get such a programming language (one isn't supplied with the A500 Plus – get AMOS BASIC from Mandarin) then you'll find it easier again. If you don't have a clue about programming, it's better to stick to just learning how to use the Amiga at first.

4) Can a trackball be used with many games?

A trackball does the same job as a mouse, so trackballs will work with all games that allow you to use a mouse. That's a sizeable chunk in terms of simulations, management games and role-playing games. The average 'Kill 'em All' game wouldn't touch the mouse (or trackball) with a bargepole.

5) I am crazy about simulations. Which is the most realistic one available on the Amiga, and are there any *Star Trek* sims around that are worth playing?

The most realistic one is the flight sim *Birds of Prey*. It has 12 different missions, 40 jet aircraft, and lets you fight an aerial war from your Amiga. I haven't stopped playing it since I mugged a games reviewer for a copy.

Star Trek? You're in luck! I think Tobias Richter's Public Domain *All New Star Trek* is the best version ever. There's at least three others in the Public Domain. Oddly enough, these are about the only games that make use of large RAM expansions. Also, Tobias Richter's graphic *Star Trek* slideshows and animations have to be seen to be believed.

WANTED: YOUR QUESTIONS!

Yes, we got loads of them, but we still think there are plenty of questions that people haven't asked. Got a tricky puzzler or something more simple? We read every one, and even if we don't answer straightaway, your ignorance is how we judge what to include. Please, please send your queries to: Workbench Questions, *Amiga Format*, 30 Monmouth St, Bath, BA1 2BW.

WANTED: YOUR ANSWERS!

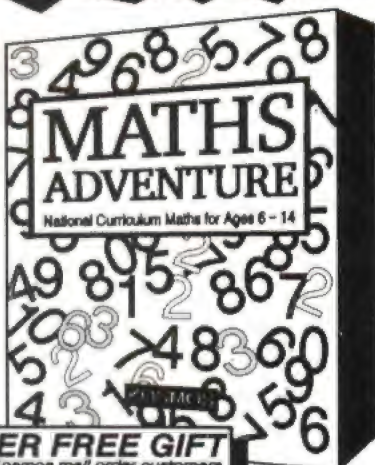
So, you think you're smart? *Amiga Format's* audience is the most critical and demanding, these people want the right answers RIGHT NOW! If you know solutions that we don't, we want to hear them. £50 mail order vouchers to be won every single month. We are especially interested in material for the next In-depth Explanation on floppy disk drives. Send your tips, hints, advice and timesavers to: Workbench Answers, *Amiga Format*, 30 Monmouth St, Bath BA1 2BW

INCREDIBLE NEW RELEASE

FOUR GREAT GAMES

and all this Maths revision...

Times Tables
Addition
Subtraction
Multiplication
Division
Fractions
Decimals
Using calculators
Shape & Space
Money problems
Measurements
Number patterns



SUPER FREE GIFT
only for Kosmos mail order customers
**CASIO SOLAR
CALCULATOR**

AMIGA MATHS ADVENTURE

For ages 6 - 14

Price £25.99 inc. VAT

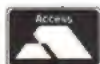
Now available from your dealer or direct from Kosmos.

Write or telephone for our new FREE 16-page colour brochure of Educational and Leisure software (Please state computer type)

Kosmos Software Ltd, FREEPOST (no stamp needed)

DUNSTABLE, Beds. LU5 6BR

Telephone 0525 873942 or 875406



AIRCRAFT QUALITY CONTROLS

from R.C. Simulations

New Flight Pedals



Designed to use in conjunction with the brilliant Gravis MouseStick®, the pedals are supplied with custom software to interface with Flight Simulator 2® dramatically increasing the realism and allowing the use of a second joystick for throttle control. Flight pedals also perform with F16 Combat Pilot and all car racing games.

Only £29.95 + p&p Including FS2 software patch.

GOLD AWARD

The Gravis MouseStick®
Better than the BEST Analogue Stick

GOLD AWARD

For sophisticated simulation enthusiasts, who demand PERFECT control, with programs such as Proflight, F19, Mig29, etc. A professional quality, programmable optical joystick C/W 16k microprocessor and L.C.D. screen offering 1200 line count resolution. Works perfectly with all simulations with sensible mouse routines and any others in its programmable joystick mode. No other joystick comes even close to the Mouse Stick for performance, reliability and pleasure in use. £69.00 + p&p



Full technical support and 1 year guarantee.
S.A.E. or telephone for full details
Telephone: (0272) 550900
Fax: (0272) 411052

R.C. Simulations
Unit 1b Beehive Trading Estate
Crews Hole Road
St. George
Bristol BS5 8AY.

★ **SPECIAL PRICE £99.00 per SET**
RING US ABOUT AIRBUS



DATAPLEX COMPUTERS LTD.

129 Bath Road,
Slough,
Berkshire,
SL1 3UW
Tel: 0753 535557

19 High Street,
Old Town,
Swindon, Wilts
Tel: 0793 488448

Prices including VAT

SHOWROOM
open:
Mon - Fri
9.30 - 5.30
Saturday
9.30 - 4.30
MAILORDER
Consumables
add £2.50
Hardware
add £9.00
(courier)

AMIGA A500 PLUS (CARTOON CLASSIC PACK)

Includes new A500 Plus with
1Mb RAM, Lemmings, The
Simpsons, Captain Planet,
Deluxe Paint III

£330 inc VAT

AMIGA A500 (FIRST STEPS)

Amiga A500

Plus educational software

£435 inc VAT

AMIGA A1500

new version

A1500 Accounts Plus pack
including Puzznick, Toki, Elf,
Operating Systems Software,
Home Accounts,
Platinum Works,
Deluxe Paint III + manual

£560 inc VAT

ADDITIONAL PACKS

Amiga A500 Plus Cartoon Classic
with 10 extra games £359
A500 Basic Pack (stand alone old version)
plus 10 extra games plus Photon Paint
plus GFA Basic £295

ACCESSORIES

512K Ram + clock £35.00
1 Meg Ram + Clock £115.00
A500 Power Supply Unit £39.00
Naksha Mouse plus Operation Stealth £29.00
1Mb upgrade for A500 Plus £49.00
14" screen filter £17.00

MONITORS

Phillips CM8833 MK II Colour Monitor + FREE Lead

£210 inc VAT

PRINTERS

Star LC20 Mono £135
Star LC200 Colour (9 pin) £188
Star LC24 200 (24 pin mono) £208
Star LC24 200 Colour (24 pin) £258
Panasonic KXP1124 £235
Panasonic KXP 1123 £185
Citizen 1200 £125
Citizen Swift 24E + Colour Upgrade £290
Citizen Swift 9 + Colour Upgrade £195
Stratjet Bubblejet Printer SJ48 £229
Canon BJ10EX £234
HP Deskjet 500 + Leads £352
HP Deskjet 500 (colour) £587
Sheetfeeder £56

All above come complete with leads

AMIGA HARD DRIVES / HARD CARD (GVP SERIES II)

FOR A1500
52Mb h/card (0-8Mb) £275
120Mb h/card (0-8Mb) £445
FOR A500
52Mb h-drive (0-8Mb) £365
105Mb h-drive (0-8Mb) £525
Upgrade the above with 1Mb SIMM module £39

VORTEX AT ONCE PLUS

PC Emulator for A500, A500 plus and A1500
£199 inc. VAT

AMIGA DRIVES

1 Meg 3.5" internal £55
1 Meg 3.5" external (Cumana) £57



Be An X-CAD Pro !!!

**By Using X-CAD SYMBOL
LIBRARIES from
COMPUTECH SERVICES.**

ARCHITECTURAL ELECTRICAL ENGINEERING
MECHANICAL ENGINEERING COMPLETE X-CAD SYSTEMS
ALL X-CAD products, programs & peripherals based on A2000 & A3000

**PRICE
MATCH**

**Before you try anyone
else ring us for
the best price!!**

Total of 48 library disks at present.

We are constantly adding to these. In addition to the libraries we sell all X-CAD programs, products and peripherals including the latest Imagine 3D rendering package. Customised Digitizer Tablet menus. We are the sole U.K. distributors and manufacturers of the symbol libraries for X-CAD. "Proven experts in our field."

We can write specialised Ex-Macro routines.

- X-CAD 3000
- X-CAD 2000
- Imagine v2.0
- X-CAD 3D
- Cherry A3 tablet
- Potscat tablet 12" x 12"
- Tablet files and overlays
- Sole UK Supplier of Symbol Libraries

For details write or phone:

**Computech Services, 87 Victor Gardens, Hawkwell,
Hockley, Essex SS5 4DY.**

Tel/Fax: (0702) 206165 or phone: 523966



AMIGA FORMAT

APRIL 1992

211

Q Just what are computer viruses? How do they work?

A Computer viruses are essentially computer programs. As with all computer programs, they exist on disks (both floppy and hard). The main feature of a virus is that it can reproduce – it can copy itself onto other disks without you being any the wiser.

Viruses come in two different types. The most common are the bootblock virus types. These live on the bootblock of a disk (see **Amiga Format 32's** Answerfile for an explanation of bootblocks). These viruses start the Amiga as normal, except that they copy themselves into memory and activate.

When you are using the Amiga and you then insert another disk, the virus checks the disk to see if it has already copied itself onto that disk. If so, it just waits for a 'clean' disk to infect. When such a disk becomes available, it copies itself onto that disk. Such viruses are fairly obvious, because your games collection stops working very quickly as the virus copies itself from disk to disk.

The other type of virus is the file virus. This masquerades as a regular program, but again can infect other disks with copies of itself. This sort of virus cannot harm games disks (such disks cannot usually have fresh files written onto them). But they regularly knacker data disks and Workbench disks.

Most viruses will write random garbage on disks somewhere along the line. The most up-to-date virus checker for finding and destroying viruses is the one on Coverdisk 31 (although this has itself been updated several times since).

The best way to avoid virus contamination is to switch the machine off for about a minute. This does not apply for an A500 Plus – these machines can remember viruses and similar resident programs (like *Doody* on Coverdisk 31) for up to 10 minutes. If you just reset the machine with the Ctrl key and the two keys either side of the space-bar, the virus will usually survive to infect more disks.



The A500 Plus can remember viruses and programs like *Doody* for up to 10 minutes after switching off. So if you think you've got a virus leave your Plus turned off for at least that long for safety's sake.

Q Sometimes my Amiga's caps key light starts flashing and the keyboard lock ups. Why? It usually only happens after I've been using the machine for some time.

A Essentially, your Amiga has a hardware problem. It's a very frustrating problem, because just taking your Amiga apart can fix it. This phenomenon is a symptom of a duff CIA chip or keyboard multiplexer chip. CIA chips are easy to replace, keyboard multiplexers are extremely fiddly (and the most common cause of the problem). I suggest that you send your Amiga away to have the relevant part replaced.

Answerfile

Quick question and long answer session on all manner of things

Amiga, hosted as usual by Amiga Guru **Pat McDonald**.

Q Is there a three position ROM shaver? I want to use Kickstart 1.2, 1.3 or 2.04, for the best compatibility.

A Yes there is. Memory Expansion Systems (the people who make the Cortex) can sell you one for £23.95 for the switch version, or 39.95 for the keyboard switch option (the board is wired to the keyboard so a certain key selects a certain Kickstart). MEX (051-236-0480).

Q Does 'Copyright so-and-so' on a game mean that I can copy it?

A Quite the reverse. It means that so-and-so has the right to copy, not you. Be aware that just because a program does not have a copyright message displayed, it can still have a copyright message embedded in the code – this still counts.

Q I have lots of RAW format sound samples from my collection of PD disks. How do I convert them to IFF (Interchange File Format) to use in *Sequencer One*?

A There is no program that I know of specifically for this task, but the software sold with many sound samplers can do the job – you just load the sample in RAW format, and save it again in IFF. Please remember, though, that most sampling software will not run unless you have a sampler connected.

Q I want to expand my machine's RAM, but I was wondering what is the best sort of memory for writing music, chip or fast RAM?

A It depends. Having more chip RAM will allow you to store more and longer sound samples, but fast RAM lets you run more software at the same time, or bigger programs. It's always a good idea to have some fast RAM on any Amiga, because many programs need some fast RAM in order to operate.

Q I will be going away to study at university soon, to continue my computer studies. Ideally, though, I want to use an Amiga as it's far more flexible and powerful than anything else. But everyone I talk to says "Get an IBM PC". Why? Surely an A3000 is well up to the tasks of any university or college course?

A Essentially, the problem with Britain's higher education is that they rely on IBM PCs for all their course work. They use only IBM programs, and usually supply a list of all the software used in the course. It's then up to you to find a suitable machine.

I could be a typical Amiga fan and just say "this approach sucks", but it does make a lot of sense to place the responsibility on the student, rather than the college saying "You must get this brand and model of computer". It's not as if PC software is totally alien to the Amiga.

The Amiga can cope with this hurdle. Rather than going for the A3000, I would recommend getting an A1500 or A2000 (revision B – revision A went out years ago) and fit a Commodore Bridgeboard to it. This will allow you to run far more Amiga software than an A3000. It won't cost nearly so much. And it will allow you to run all the PC software for your college course.

You could go for an A500 with an emulator card such as the KCS Bitcon board or the ATOnce. However, in my experience these cards are just not as compatible as a Bridgeboard – and for your tasks compatibility with as many programs as possible is fundamental.

If you're not in a hurry, the 386 version of the Bridgeboard will be available in a couple of months – the 286 and XT versions have been heavily discounted to clear stocks. The really great feature of the Bridgeboard series is that you can plug in PC cards to the inside of your A1500/A2000. To get the best out of Bridgeboards though, you will need a hard drive and some extra memory – which will still leave the price at about half an A3000!



At around £570, an A1500 Plus can have a Bridgeboard, hard drive and monitor added, giving full PC compatibility and still being miles cheaper than an A3000. The ideal choice for students.

Q How do I print the readme files from the Coverdisk? I click on "Print file" and it doesn't work! Also, readme files from Coverdisks cannot be loaded into word processors, why?

A To print the documentation on the Coverdisk, first load up Workbench. Then, insert the Coverdisk, double click on that disk's icon and then on the particular Readme file. Then click on the "Print File" option. The reason is that, including the facility to print files straight from the Coverdisk would take up space on the Coverdisk, which means less programs on the Coverdisk.

The reason why the Readme documents on the Coverdisk are sometimes garbage to word processors is that they have been crunched with *PowerPacker*. This means that they take up less space on a disk, but they are no longer in ASCII format and are therefore garbage to all word processor programs.



To print out a Readme document from the Coverdisk, first load Workbench, then click on the disk icon, then on the Readme icon, and finally click as indicated.

Q More memory is needed for our 1Mb Amiga, as we have just bought *Deluxe Paint 4*. Hard drives are too pricey; they cost about the same as a new Amiga! Are those memory cards larger than 0.5Mb that fit in the trap-door slot any good? They're cheap, but are they worth it?

Don't think of hard drives as expensive – think of the Amiga as cheap. Those 'oversize' trap-door expansions you mention have problems. Your Amiga must be unscrewed and taken apart to fit them – they don't just plug in and go. You have to take a chip out of the board, plug in another board, and stick the chip back in on top. This completely voids your warranty – not to mention the risk of accidental damage.

As you say, they are cheap. And they suffer from few genuine compatibility problems today. However, the larger (greater than 1.5Mb) types must have a special program run before the Amiga recognises the memory. And your programs will run slower, as memory connected to the trap-door works slower than memory connected to the left side of the computer.

Q I am a bit confused about what hard drives can do. I've seen in the *Pen Pal* and *Deluxe Paint* manuals that the programs can be installed on hard drive. It seems to me that you can take the information stored on several floppy disks and store them all in memory. Is that only with hard drives, or does it work with large memory expansions too?

A hard drive is simply a big disk on which you can store many different programs. Each Amiga floppy disk can store about 880K (under 1M) permanently; that is, floppy and hard disks do not lose their memory when you turn the machine off. Imagine having one huge disk on which you could store everything on.

These days, hard disks auto-boot: just turn the machine on, and after a few seconds – hard disks are much faster than floppies – you're at Workbench, ready to start clicking on program icons. When you load and save files, the speed difference is amazing.

You could, if you wanted, install most non-games (and some games) into RAM. However, you would need lots of it, and it would be very slow to start work, as you would have to read in all the floppies to the computer first.

In-depth Explanation Number 1: Printers

If a program has to print information, then there are three files which must be on the disk that the Amiga started from (in most cases, Workbench). These three files are all vital: if one is missing then a program simply will not be able to print.

The first file is called 'printer.device'. This lives in the devs (devices) directory of a standard Workbench disk. When a program asks for the printer to be made available, the Amiga loads this file which contains all the actual routines for printing out data. To confuse matters, there are two in common circulation – the lengths are different, and some programs work with only one or the other version.

The second file is called 'system-configuration'. This is the file which is changed by Preferences – whenever you change Preferences and save, the old system-configuration file, is overwritten by the new. The file contains such information as; whether the printer is serial or parallel (where it plugs into); the settings for printing graphics; and most importantly of all, the name of the printer driver to use.

A printer driver is not a program as such. It's more of a translation table; it gives the translation to convert the ANSI standard characters that the Amiga uses into specific instructions for an individual type of printer.

It's this last necessary file, the printer driver, which eludes most people. How do you get the right driver for any given printer? Well, first understand where drivers live. They have to be in a directory called 'printers', which is usually to be found in 'devs'.

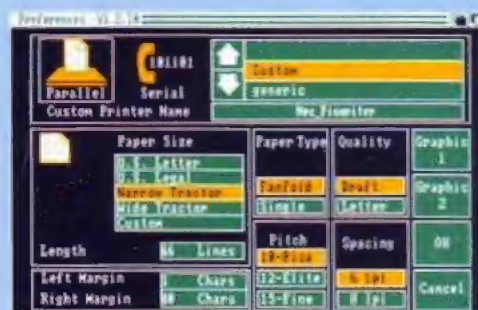
On a standard Workbench disk, there are only two drivers, 'Generic' and 'Custom'. Generic is a very simple driver, which only prints text in one style. 'Custom' is used for running the Amiga with individual printer drivers – which is where things get a bit fiddly...

Most printers can be used to some extent with the printer drivers found on the Extras disk. First, make a copy of the Workbench disk, and throw away all non-necessary files (most of the utilities drawer can be safely ditched) to make room. Just drag them to the Trashcan and select 'Empty Trash' from the disk menu.

Next, double click on the Shell icon and type this (press Return after you've typed the line):

copy all from "Extras 1.3/devs/printers" to Sys:devs/printers

Substitute the name of your particular brand of



Setting the printer type with Preferences is very easy, but unless the printer driver is on the disk (in the printers directory inside the devs directory) then it just won't be displayed!

Extras disk (it varies from one Amiga version to the next). The quotation marks are there because the disk name has a space in it. This line will attempt to copy all the printer drivers from the Extras disk to the disk you booted from (Sys:). In this case, Workbench.

One complaint that I often hear is that the official CBM printer drivers do not support all the features of a given printer. That's fine, people can always complain about a given situation. But to actually do anything constructive, that's a different kettle of fish.

It is possible to create your own custom drivers, although I won't lie and say it's particularly easy. To do this sort of thing, you need to have a decent manual for the printer in question, and a good working knowledge of how Amiga printer drivers actually work.

I don't have space to go into such a deep subject here, but I know a book that does. *Amiga Printers Inside and Out* is a comprehensive manual on how the Amiga works with printers, how printer drivers work, and how to write your own. Included with the book is a disk full of programs to help you achieve these fine goals.

Back in the real world, I know most people will not be interested in sitting down and creating printer drivers. I certainly haven't got the time.

So what do you really do if you have a printer that is not supported on the Extras disk? Most printers have an Epson emulation mode – they will accept the Epson printer drivers if you set them up to use them. If your printer does not have this (or any of the other common protocols) then you're in trouble. Where do you get a driver?

At the time of writing, I know of only three places that do specific printer drivers. WeServe (0705 325354) sell ones for Citizen 24-pins types, Canon BJ10e, and Hewlett Packard 500 types (both 'mono and colour). They will cost you between £4.95 and £9.95.

Another source is JAM. JAM is run by a guy called Jeff Walker, who can often lay his hands on obscure drivers for a few quid. JAM can be contacted on (0895 274449).

Finally, an *Amiga Format* reader called Nigel Streeter both collects and distributes drivers. Although not so good at finding obscure types, he runs a good service. All you have to do is send him a blank disk and a stamped, addressed envelope, and he sends you back everything he has got. He's always looking for different types of driver. His address is 6 Old Mill Court, Chingwell Road, London E18 1NJ.



One of the most common complaints is from people who have a colour printer but can only get black-and-white images. Just click on the Colour select within the Graphics 1 page of Preferences.

PREMIER MAIL ORDER

Titles marked * are not yet available and will be sent on day of release.

Please send cheque/PO/Access/Visa No. and expiry date to:

Dept AF4, Trybridge Ltd., 8 Buckwins Sq., Burnt Mills, Basildon, Essex. SS13 1BJ

Please state make and model of computer when ordering. P&P inc. UK on orders over £5.00. Less than £5.00 and Europe add £1.00 per item. Elsewhere please add £2.00 per item for Airmail. These offers are available Mail Order only. Telephone orders: Mon-Fri 9am-7pm. Saturday 10am-4pm. Fax orders: 0268 590076. Tel orders: 0268 590766

2 Hot 2 Handle *	18.99	G LOC *	16.99	Power Up	19.99
3D Construction Kit	32.99	Godfather Action	19.99	Predator	6.99
3D Pool	7.99	Godfather Adventure	19.99	Projectyle	8.99
4D Boxing (1 Meg)	16.99	Gods	16.99	Quest for Adventure	19.99
4D Driving (1 Meg)	19.99	Golden Axe	16.99	R-Type	6.99
4 Wheel Drive *	19.99	Graham Gooch *	19.99	Race Drivin *	16.99
Addams Family *	18.99	Graeme Souness	16.99	Railroad Tycoon (1 Meg)	22.99
Afterburner	6.99	Gunship 2000 * (1 Meg)	22.99	Rainbow Collection	13.99
Agony *	24.99	Gun Spy *	26.99	Rambo 3	6.99
Airbus	22.99	Hard Drivin	6.99	R.B.I. 2 Baseball	19.99
Air, Land, Sea	24.99	Harlequin *	16.99	Reach for the Skies *	22.99
Air Support *	19.99	Head Over Heels	6.99	Realms (1 Meg)	19.99
Alien Storm	16.99	Heart Of China (1 Meg)	22.99	Red Baron (1 Meg)	22.99
Altered Beast	6.99	Heimdall (1 Meg)	19.99	Red Heat	6.99
Amos	29.99	Heroquest	16.99	Renegade	6.99
Amos 3D	24.99	Heroquest Data	9.99	Rick Dangerous	6.99
Amos Compiler	19.99	Hitchhikers Guide	7.99	Rise of the Dragon (1 Meg)	22.99
Another World	19.99	Home Alone	19.99	Robin Hood	16.99
APB	6.99	Hudson Hawk	16.99	Robin Smith Cricket	16.99
Arkanoïd 2	6.99	Hunter	19.99	Robocod	16.99
Assault on Alcatraz *	16.99	IK+	6.99	Robocop	8.99
Bards Tale Triple Pack *	24.99	Indy Heat *	16.99	Robocop 3	16.99
Batman Caped Crusader	6.99	Indy Jones - Atlantis Action *	16.99	Rock Star Ate My Hamster	4.99
Batman the Movie	6.99	Indy Jones - Atlantis Adv * (1 Meg)	19.99	Rodland	16.99
Battle Chess 2	16.99	Ivanhoe	6.99	R-Type 2	16.99
Beastbusters	9.99	Jack Nicklaus Clip Art	9.99	Ruff and Ready	6.99
Beach Volley	6.99	Jack Nicklaus Extra Courses	9.99	Rugby World Cup	16.99
Big Run	16.99	Jack Nicklaus Golf	12.99	Rules of Engagement	16.99
Billy the Kid *	16.99	Jack Nicklaus Unlimited Golf (1 Meg)	19.99	Run the Gauntlet	6.99
Birds of Prey (1 Meg)	22.99	Jimmy Whites Snooker	19.99	Search for the King	24.99
Black Crypt *	19.99	John Madden *	16.99	Secret of Monkey Island (1 Meg)	16.99
Blues Brothers	16.99	Keys of Maramon *	16.99	Secret Monkey Island 2 (1 Meg) *	19.99
Blue Max	19.99	Kick Off	7.99	Secrets of Luftwaffe * (1 Meg)	19.99
Board Genius	19.99	Kick Off 2 (1 Meg)	11.99	Shadow Lands *	19.99
Bonanza Bros *	16.99	Kick Off 2	9.99	Shadow Sorcerer (1 Meg)	19.99
Bubble Bobble	6.99	Kings Quest 5 (1 Meg)	22.99	Shinobi	6.99
Budokan	8.99	Klaxx	6.99	Shuttle *	34.99
Cabal	6.99	Knightmare	19.99	Silent Service 2 (1 Meg)	22.99
California Games	6.99	Knights of the Sky (1 Meg)	22.99	Silkworm	6.99
Campaign *	22.99	K.O. 2 - Final Whistle	8.99	Sim City+Populous	19.99
Capcom Collection	19.99	K.O. 2 - Giants of Europe *	7.99	Sim Earth *	19.99
Captain Planet	16.99	K.O. 2 - Return to Europe	7.99	Simpsons	16.99
Castles *	19.99	K.O. 2 - Super League *	9.99	Ski or Die	8.99
Carrier Command	7.99	K.O. 2 - Winning Tactics	5.99	Smash TV	16.99
Centurion	16.99	Laser Squad 2	16.99	Space 1889 (1 Meg)	19.99
Chaos Engine *	16.99	Last Ninja 2	6.99	Space Ace	26.99
Chaos Strikes Back (1 Meg)	16.99	Last Ninja 3	16.99	Space Ace 2	26.99
Chart Attack 1 *	19.99	Leander	16.99	Space Crusade *	16.99
Chase HQ	6.99	Leather Goddess	7.99	Space Gun	16.99
Cisco Heat	16.99	Legend *	16.99	Starflight 2	16.99
Civilisation * (1 Meg)	22.99	Leisure Suit Larry 4 * (1 Meg)	22.99	Strider	6.99
Conan The Cimmerian *	19.99	Leisure Suit Larry 5 * (1 Meg)	22.99	Strikefleet	16.99
Continental Circus	6.99	Lemmings	16.99	Strip Poker 2 + Data	6.99
Covert Action * (1 Meg)	22.99	Lemmings Construction Kit *	16.99	Stunt Car Racer	6.99
Crazy Cars 3 *	16.99	Lemmings Data Disk	13.99	Super Cars 2	16.99
Cricket (1 Meg)	9.99	Licence To Kill	6.99	Super Hang On	6.99
Cruise For A Corpse	19.99	Lombard Rally	6.99	Super Sega *	19.99
Cyberball	6.99	Lord of the Rings	19.99	Supremacy	19.99
Daley Thompson Challenge	6.99	M1 Tank Platoon	19.99	Suspicious Cargo	19.99
Das Boot	19.99	Magic Fly	8.99	Switchblade	6.99
Deathbringer	19.99	Magic Pockets	16.99	Switchblade 2	16.99
Death Knights Of Krynn (1 Meg)	19.99	Magnetic Scrolls Coll (1 Meg)	19.99	Team Jaguar *	19.99
Deluxe Paint 4	54.99	Man Utd. Europe	16.99	Team Suzuki	16.99
Demonsgate *	22.99	Max	19.99	Team Yankee	19.99
Deuteros	19.99	Mega Traveller 1 (1 Meg)	19.99	Team Yankee 2 (1 Meg) *	19.99
Disney Animation	59.99	Mega Traveller 2 (1 Meg) *	19.99	Teenage Mutant Turtles 2 *	16.99
Dizzy Collection	16.99	Mega Twins	16.99	Terminator 2	16.99
Double Double Bill	24.99	Mega-Lo-Mania	19.99	Test Drive 2 Collection	19.99
Double Dragon	6.99	Miami Chase	6.99	The Immortal (1 Meg)	8.99
Double Dragon 3	16.99	Microprose Golf	22.99	Their Finest Hour (1 Meg)	19.99
Dragon Ninja	6.99	Midwinter	14.99	Their Finest Missions	9.99
Dragons Lair (1 Meg)	26.99	Midwinter 2 (1 Meg)	22.99	Thunderhawk	19.99
Dragons Lair 2 - Singes Castle	26.99	Mig 29 Super Fulcrum	26.99	Tip Off	16.99
Dragons Lair - Time Warp	26.99	Might & Magic 3 *	19.99	Toki	16.99
Elf	16.99	Moonstone (1 Meg)	19.99	Toobin	6.99
Elvira 2 (1 Meg) *	24.99	Moon Walker	6.99	Top Cat Bev. Hills	6.99
Epic *	19.99	New Zealand Story	6.99	Turbo Challenge 2	16.99
Excalibur (1 Meg)	19.99	Ninja Collection	13.99	Turbo Outrun	6.99
Eye of the Beholder (1 Meg)	19.99	Operation Thunderbolt	6.99	Turrican 2	9.99
Eye of the Storm *	19.99	Operation Wolf	19.99	Ultima V	19.99
F15 Strike Eagle 2 (1 Meg)	22.99	Ork *	19.99	Ultima 6 *	19.99
F16 Combat Pilot	16.99	Outrun	6.99	Untouchables	6.99
F19 Stealth Fighter	19.99	Outrun Europa	16.99	Utopia	19.99
Face Off *	16.99	Pang	16.99	Utopia Data Disk *	9.99
Falcon 3 *	24.99	Paperboy 2 *	16.99	UMS 2 (1 Meg)	19.99
Fantasy World Dizzy	6.99	Parasol Stars *	16.99	Voyager	6.99
Ferrari Formula 1	8.99	Pegasus	16.99	Warlords (1 Meg)	19.99
Final Blow *	16.99	PGA Golf Courses	9.99	Wild Wheels	16.99
Final Fight	16.99	PGA Tour Golf	16.99	Wizball	6.99
First Samurai *	19.99	Pitfighter	14.99	Wizkid *	16.99
Flag *	19.99	Platoon	6.99	Wolf Child	16.99
Flight of the Intruder	22.99	Player Manager	12.99	Wolf Pack (1 Meg)	19.99
Flood	8.99	Pool of Radiance (1 Meg)	19.99	Wonderland (1 Meg)	19.99
Football Crazy	16.99	Pools of Darkness (1 Meg) *	19.99	World Class Leaderboard	6.99
Football Director 2 (1 Meg)	16.99	Populous	8.99	World Cup Cricket (1 Meg) *	19.99
Forgotten Worlds	6.99	Populous 2 * (1 Meg)	19.99	World Wrestling Fed	16.99
Formula One Grand Prix (1 Meg)	22.99	Powerdrift	8.99	Xenomorph 2 *	16.99
Gauntlet 3	16.99	Powermonger	19.99	Yogi's Great Escape	6.99
Ghostbusters 2	6.99	Powermonger Data Disk 1	9.99	Yogi & Greed Monster	6.99
Ghouls and Ghosts	6.99	Powerpack	14.99		

SPECIAL OFFERS

**DELUXE PAINT 4
ONLY
£54.99**

**OPTICAL MOUSE
ONLY £34.99**

**UPGRADE YOUR
AMIGA TO 1 MEG**

1/2 Meg Upgrade - £24.99
1/2 Meg Upgrade + clock - £26.99

**JACK NICKLAUS GOLF
ONLY
£12.99**

**STEREO SPEAKERS
AMIGA
ONLY £29.99**

**3.5" EXTERNAL
DRIVE
ONLY £49.99**

JOYSTICKS

Quickjoy Topstar - £16.99
Comp Pro Extra - £14.99
Quickjoy 2 Turbo - £9.99
Quickshot 3 Turbo - £9.99
Quickjoy Jetfighter - £10.99

BLANK DISKS

Unbranded

10 x 3.5" DSDD - £5.99
20 x 3.5" DSDD - £10.99
50 x 3.5" DSDD - £23.99
100 x 3.5" DSDD - £44.99

Branded - TDK

3.5" DSDD - £1.25 Each

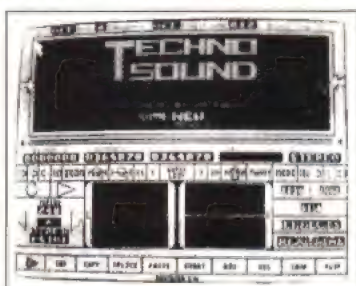
NAM

Now Only
£12.99

Why buy an ordinary sound sampler
- when you can buy a recording studio?

TECHNOSOUND Turbo

SOUND SAMPLING SYSTEM FOR
THE AMIGA + AUDIO LEADS



- ★ SONG SEQUENCER
 - ★ MIDI SEQUENCER
 - ★ VARIABLE DIGITAL DELAY
 - ★ VARIABLE CUT BUFFER
 - ★ FULL MULTITASKING
 - ★ 57 RECORDED SAMPLES
 - ★ SAMPLE LIBRARY
- BROCHURE

- ★ STATE OF THE ART TRUE STEREO CARTRIDGE
- ★ OVER 100 INTERACTIVE FUNCTIONS
- ★ SIMPLE TO USE TUTORIAL AND USER GUIDE
- ★ STUNNING REAL TIME EFFECTS INCLUDE:- Echo - Reverb - Hall - Voice Synthesis - Phaser and Vibrato.
- ★ EXTENSIVE EDITING AND LOOPING FACILITIES

**SOFTWARE UPGRADE
AVAILABLE TO EXISTING
USERS FOR ONLY
£6.00 + £1.00 P&P**



**NEW
DIMENSIONS**

BROOKLANDS HOUSE
BRYNGWYN, RAGLAN
GWENT NP5 2AA
0291-690933/690901

£39.99

+ £1.50 POST AND PACKING

VOLTMACE



**OUT NOW!
PRO FLIGHT**

BE A GRAND PRIX WINNER, USE AN ANALOGUE JOYSTICK.

Would you drive a real car with a switch to turn right, a switch to turn left, a switch to brake and a switch to accelerate? NO!! You could not because you need to turn little, or turn tight, brake hard or brake slightly.

All good flight sims now have analogue joystick routines and now all good car race sims will have to follow. Tell your dealer that Amiga analogue joysticks do exist and they are generally available through the main distributors. And if he still does not want the business, then you can order direct from us.

Put your Amiga on the right course. Run your simulations the analogue way. The way real things are operated.

The Delta 3A analogue joystick, a light, fast, hand held, sprung return to centre joystick for the faster Sims.	£16.95
Grand Prix	£29.95
Save £5 Microprose Grand Prix and Delta 3A together	£42.90
The Zoomer Yoke, analogue, sprung return, is 11" tall and 11" wide with suction feet. It can also work as a digital yoke	£59.95
Zoomer digital yoke for Amiga or Atari	£39.95
Delabase a yoke joystick (analogue non sprung)	£34.95
Joystick port splitter (all 9 pins)	£4.95 or £3.00 with joystick.

The above splitter is needed to plug a Delta 3A into an A1500 or A2000.

Flight Sim programs stocked. Prices include VAT & UK P&P
Delta 3A joysticks are made in the U.K. and have a 1 year warranty.



Unit 9, Bondor Business Centre, London Road
Baldock, Herts, SG7 6HP. Telephone (0462) 894410



AMIGA FORMAT

Reach the top
with.....

LCL

Self-Tuition Courses

**NATIONAL
CURRICULUM***

World leaders ● Hons graduate/teacher authors ● In educational software charts. ● Excellent reviews ● £5 off total for 2, £10 off for 3.



MICRO ENGLISH (8 years - GCSE) New complete course
Also for EFL.
Teaching spelling, reading, writing and oral with real
speech. 24 programs and a book and a manual at £24.

**NEW
SERIES**

MICRO MATHS (11 years - GCSE)
Best selling GCSE maths course in UK.
For ages 11 upwards in 24 program options plus a
book and manual.

**NEW
SERIES**

READING WRITING COURSE (3 - 8 years)
NATIONAL CURRICULUM (A.T. 1-5) 24 program course teaching
reading, writing & spelling with a book, manual and voice tape £24.

PRIMARY MATHS COURSE (3 - 12 years)
Complete course with full screen colour graphics. NATIONAL
CURRICULUM (Levels 1-4). 24 programs + a book and a manual £24.

MICRO FRENCH (Beginners - GCSE) **NEW SERIES**
Complete course with real speech & graphics adventure game, 24
programs + a book and a manual.

MEGA MATHS (A level course) Step-by-step course of 24
programs + a book and
manual. Full screen graphics for calculus £24.

New series courses have games-style graphics & music
Most LCL courses run on most computers
(PC, ST, BBC, Arc)

**A500 PLUS
OR AMIGA**

*All appropriate LCL courses are compatible with the National Curriculum
Send coupon and cheques/PO's (+99p P&P) or phone orders
or requests for free colour poster/catalogue to:

LCL (DEPT AMF) THAMES HOUSE, 73 BLANDY ROAD,
HENLEY-ON-THAMES, OXON RG9 1QB

**Phone now
for immediate
despatch**

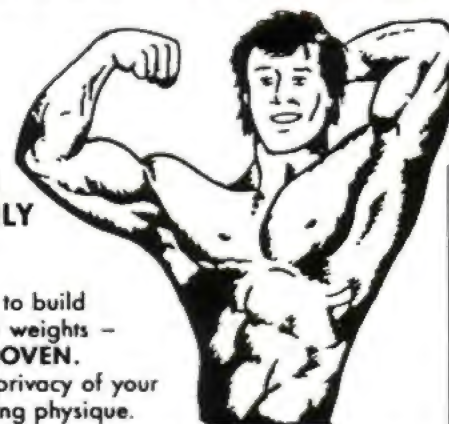
or ring 0491 579345 (24 hrs)



Name.....
Address.....
Title.....
Computer.....

BUILD MUSCLES FAST

**YOU CAN BUILD
A FANTASTIC POWER
PACKED BODY IN ONLY
12 WEEKS!**



**NEW! Fastest and best way to build
muscles and strength without weights -
EVER! SCIENTIFICALLY PROVEN.**
Just 20 minutes daily in the privacy of your
home will develop an amazing physique.

MUSCLE DYNAMICS is a new bodybuilding system based on
principals developed after years of exhaustive research. It is a total
exercise programme involving the very latest scientific
breakthroughs in the field of muscular development. It is the fastest,
most effective way to build muscles in existence.

NOTICEABLE RESULTS IN 28 DAYS GUARANTEED

Send for exciting **FREE** information pack today

MUSCLE DYNAMICS (AF), PO BOX 40, GATESHEAD, NE8 1PD

Yes! I want to build muscles fast. Please rush me my **FREE** information pack!

Name

Address

Postcode

(A stamp for reply appreciated)

APRIL 1992

215

HOW TO CONTACT AMIGA FORMAT

You can be certain of getting your enquiry to the magazine dealt with only if you make quite sure you're addressing your letter to the right person or place.

- We can never give personal replies by mail, so don't send us a stamped-addressed envelope
- We can under no circumstances give personal replies by fax, so please don't ask us to.
- We are available for enquiries by telephone every Tuesday between 10am and 6pm, and we'll be happy to talk to you then.
- Our advertising department can help with problems with companies who advertise in the magazine if you phone during normal office hours.
- Our subscriptions service and the **Amiga Format** mail order department are not in the same building and can be contacted on 0458 74023.

WORKBENCH

If you have any problems with the technical side of your Amiga, with hardware or with serious software, Pat will try to answer you in the mag. Alternatively, if you have any advice for others or any handy tips to share, send it in and you could win a prize.

WORKBENCH,
AMIGA FORMAT, 30 MONMOUTH STREET, BA1 2BW

GAMEBUSTERS

If you've just found the cheat mode, mapped out the levels or found all the passwords for the latest game, send it in to Maff and you could win a prize. Or if you're stuck, ask Helping Hand for advice – or solve someone else's problem and win a prize!

MAFF EVANS, GAMEBUSTERS
AMIGA FORMAT, 30 MONMOUTH STREET, BA1 2BW

LETTERS

The Letters pages are for you to air your views and share your opinions: please remember not to ask questions that should be in Workbench! Damien is looking for thought-provoking or entertaining letters, the shorter the better. Prizes for the best two.

LETTERS TO THE EDITOR
AMIGA FORMAT, 30 MONMOUTH STREET, BA1 2BW

COMPETITIONS

To enter a competition, write the answers and your name, address and phone number on the back of a postcard or a stuck-down envelope and send it in. You can enter as many times as you wish, but all entries must be posted separately: don't put several entries in one envelope together, or include entries with letters to any other part of the mag.

COMPETITION, AMIGA FORMAT,
29 MONMOUTH STREET, BATH BA1 2DL

SPECIAL OFFERS

If you've ordered anything from the **Amiga Format** Mail Order section and you've got a problem, please remember that we on the magazine don't deal with it at all. Write to them at our Somerton address or phone 0458 74011.

AMIGA FORMAT MAIL ORDER,
THE OLD BARN, SOMERTON, SOMERSET TA11 7PY

SUBSCRIPTIONS

Similarly, if you move house and want to make sure your copy of the mag catches up with you, then send the new address to

AMIGA FORMAT SUBSCRIPTIONS, THE OLD BARN,
SOMERTON, SOMERSET TA11 7PY

FAULTY COVERDISKS

The disks are duplicated and stuck on the magazine by a firm who we employ for that specific purpose. If you have a faulty disk, send it to them enclosing an SAE. We don't keep stocks of disks, so we can't help. DISKCOPY LABS, UNIT A, WESTMARCH, LONDON ROAD, DAVENTRY, NORTHANTS, NN11 4SA

Letters

This month, with the massive questionnaire at the end of the magazine, we've got a little less space for letters, but we do promise there will be more next time to make up! In a questionnaire mood, editor **Damien Noonan** concentrates mostly on what you've got to say about the magazine itself – do remember to fill in the survey if you've got anything to say about the magazine!

PRICE CRACKDOWN

Most games these days seem to come with copy protection if they are purchased through the right channels. It is the games which have been cracked by pirates that are copyable and therefore deprive the games producers of their well-earned fees.

I think more should be done to crack down on the pirates. After all, most of them are egotistical enough to leave around their codenames, PO Box codes and even addresses.

Eliminate the pirates through tougher legislation, and as most game users would not be able to bypass software protection, hey-presto – fewer illegal copies, more buncie for the software vendors and cheaper games prices?

MD Fordham, Swindon

UN-AFJORDABLE

I know that piracy is a big problem for everyone, but sometimes the right seems to be on the games player's side. Up here in the cold north, games arrive later than in England and are much more expensive. *Cruise for a Corpse* costs £17.99 in England, but here the price is 545 NOK which is about £50. By the way, do you read all the letters?

Peter Mortensen, Arendal, Norway

I don't always read all the letters, to be perfectly honest, because we get so many. About one month in three I'll only get halfway through, but generally even if your letter isn't printed, I will have read it and noted your opinions. Quite often I'll pick out one letter to be printed that actually represents a whole heap of similar opinions.

Our Editorial Assistant Clare reads every letter to the magazine the day it arrives, to see if anyone's got a problem that needs her attention and to make sure letters for Workbench, Gamebusters and Letters all get to the right place. Please help her by addressing your letter to the correct part of the magazine.

AUSSIE COSTS

I am an Amigatitus sufferer from down under who'd like to whinge about whingeing poms who whinge about prices! Think yourselves lucky: over here an Amiga 500 costs £400 rather than £300, AMOS costs £55 rather than £38 and **Amiga Format** is £6 instead of £3.95!

There is a new soapie here in Australia called *Maniac Mansion*: the name sounded very familiar but it wasn't until the end credits mentioned that the film is based on a hit computer game that I remembered playing the adventure game years ago on my C64!

Also in *Neighbours* (not that I watch the show!) three Amigas have now popped up. Paul Robinson has one at the office and one at home and a new character called Josh also has one. One thing that puzzled me, though, was when Paul's wife was one day typing frantically away at the keyboard and on the screen was the hand prompting her to insert a disk! And she is apparently quite intelligent!

Jason 'Kingo' King, Clifton Springs, Australia

If you're new to the magazine, we've been 'Amiga-spotting' lately. Did you see the Amiga used with a JCL digitiser on BBC1's Lovejoy? There's also a new series of the Amiga-based Star Test, with a new serious slant and the new serious name Star Chamber: it's done by Real Time, the people who do the Amiga graphics for Countdown, The Chart Show and who helped out on Gamesmaster. Have you seen an Amiga on TV or film anywhere else? Write in and tell us. Here's one now...

SPOTTED...

Concerning your 'Spot the Amiga' competition, I have just watched the first episode of *The Cloning of Joanna May* and, unless I am mistaken, the computer used to display the clones' files bore the Amiga logo on the monitor.

Regarding your query as to why readers would like to see more letters. Personally I find the majority of them, and your answers, informative and they go a long way to solving problems.

Regarding PD reviews I would like to make a couple of suggestions. It would be useful if they could be given some form of rating, such as stars. Also, as the father of a two-and-a-half year-old daughter, I'd find it very useful if educational software reviews could carry some indication as to the age range they are aimed at.

Frank Lingard, Woodhall Spa

I don't remember ever seeing an Amiga monitor with the logo on, so that one will have to go down as an 'unconfirmed sighting' for the time being.

If anyone missed last issue, I was saying how surprised I've always been that people want to see more Letters pages, and I promised to give a prize to the people who come up with the best explanations. Your 'useful advice' argument is no doubt true of something like the Workbench pages, but I wouldn't have thought it applied so much to the Letters pages, where we tend to discuss topics of general interest rather than get very specific about anything. The next letter I find interesting on this subject.

Finally, I find your suggestion about PD ratings very interesting. We have discussed this before, but what goes on behind the scenes of the PD Update section is that Pat and Maff plough through every single new release and pick out just the best or the most interesting to write about in the magazine. Do we fail to make this clear? If you hadn't realised that, does it make the point or would a rating still help?

LETTERS OK



I believe the Letters pages give the 'average' computer user a much wider outlook on the Amiga world, rather than the people they may see face-to-face. This includes all aspects: machine model, add-ons, views on piracy and so on. It must be good to broaden the knowledge of the computer public.

Chris Firth, Newport, Isle of Wight

I think that's a very persuasive argument and well worth a prize, but it doesn't quite get over to me why so many people seem to think Letters is the best part of the magazine. Do you turn to Letters first when you get your copy? Do you just find it one of the best bits to sit down and have a good read of? Does it make you chuckle, do you disagree with a lot of the opinions, does it make you think? There's still prizes to be had for the best explanations of why Letters is so popular, so get writing!

SHORT ON CONTENT?

I have been a reader of **Amiga Format** since Issue One. I use the Amiga for video editing, word processing, paint programs and, as the holder of a pilot's licence, flight simulating – plus the odd game when the grandchildren call.

The March issue took me all of 10 minutes to read; it took me longer to list the content, which revealed 13 pages of CD reviews (according to your figures, there are only 10,000 people in the UK who can use these), 32 pages of games and 152 pages of adverts.

If I wanted a games magazine, then I would buy one. For goodness' sake, let's have a more balanced magazine or I'll change to Exchange and Mart.

In the past I have learnt quite a lot from the answers to various letters, but despite the pieces on *Diskdoctor* I still can't understand how to transfer the files to a new disk once *Diskdoctor* has finished the examination and written its prescription. But then, who understands a doctor's writing except another doctor or a chemist?

R Chudley, Ash Vale

The balance of an issue is the hardest thing to achieve, and it does depend immensely on knowing what people are keen to see more of. I'd be grateful if anyone who has strong feelings about this could take the time and trouble to fill in this month's questionnaire, particularly the part about what you'd like to see more and less of. And do make a comment at the end about any particular subjects, or even individual programs, that aren't given any coverage in the magazine. We will listen and we will act accordingly.

The March issue in particular concentrated heavily on CDs and this did mean a reduction in both game and serious reviews. I would defend this to the hilt: there's a lot of what is basically Amiga software out there on CD and we Amiga owners are in the unique position of having access to the most advanced kind of software. CD is the future, it has massive potential, and we have to keep an eye on it. Plus the fact that in two months' time, all Amiga owners will be faced with

the choice of spending £300 on a CD-ROM drive. When you come to make that decision, the key factor will be whether the CD software makes it worthwhile just yet, and so reviews of CD software are vital.

MAL-CONTENT

I am afraid I must protest most strongly about the March issue. As you are probably well aware, the magazine's content was abysmal!

In the last couple of months I have noticed a steady increase in your advertising, but was prepared to overlook this because of the good standard of the rest of the content, but this month's has left me flabbergasted.

I broke the content down and found 157 pages of ads, it also had two for Contents, four for Coverdisk, 5 pages of advice, two-and-a-half for Letters, two of Charts, three for Getting to grips with Workbench (although I admit this is necessary for beginners) and a page for the Screenplay. That leaves only 51 pages out of 228 that have any interest for the average reader!

You might argue that some of these pages are an integral and necessary part of the magazine, but that's not the point I am trying to make. I know that a large part of your magazine's income is derived from advertising, but I still don't think this warrants the amount in the magazine.

Please don't take this the wrong way: I am not trying to ridicule or belittle your mag, I am only trying to offer my version of constructive criticism. I hope you are open-minded enough to give my letter a little thought and not just toss it in the bin.

Philip Clague, Moreton, Wirral

First of all, we always listen to reasoned criticism, we're grateful for it, and – I say it again! – we do want you to fill in the questionnaire and give us more of it!

I'm very aware that a lot of people feel strongly about the quantity of adverts in the mag, but our previous surveys have always shown an equal split of people who find the ads intrusive and people who think they are very useful as a way of buying things. We'll see how it breaks down this time.

Large quantities of advertising is one side-effect of the success of this magazine, but you have to remember there are other side-effects too: the more successful the magazine is in financial terms, the more money we are able to put aside for our 'promotional: budget'. It's this cash resource that allows us to buy up the rights to complete programs like Vista (RRP £60), Sequencer One (RRP £89) and Graphics Workshop (RRP £80) and give them to you for only the price of a second Coverdisk, so you are benefitting directly too.

And yes, I would argue about those necessary pages. Letters and the Workbench advice section are two of the most popular parts of the magazine; the

WRITE A LETTER, WIN A PRIZE - MAYBE!

Has it ever occurred to you to wonder why newspapers and magazines offer prizes to people who write them letters? Generally, I've always assumed, it's because they're desperately short of letters to print. We don't have any such problem. We always get stacks of letters! But we keep on giving the best, most interesting, thought-provoking or amusing a prize of an **Amiga Format** T-shirt and binder, partly because we're such generous souls, but also because we think your efforts deserve reward.

Write to... 'Letters', **Amiga Format**, 30 Monmouth Street, Bath BA1 2BW. Oh, and while you're reading these pages, it's worth remembering that one letter printed often represents about 50 we've received saying the same thing, so if you've ever thought "Quite right too!" when you read someone's opinions, you're very likely far from being on your own!

Getting to grips series has been welcomed by the large numbers of new Amiga owners; clearly we need the Coverdisk pages to explain how Coverdisk programs are used; and as we cram more and more into the magazine, pages like Contents and the Screenplay Intro are vital 'sign-posts' to help you find the information you want. Even the Chart pages have a function: they help you judge new releases and, with the 'Magical History' section, can help you decide whether an older game is worth buying or not.

The March issue included reviews of 46 exciting new CD titles and 15 brand-new games. We also introduced two brand-new ideas: a new budget game review section with reviews of 10 great value games, and a Previews for people who are more interested in serious reviews than games, 'Coming contraptions'.

When you add in all the regulars, I think that's a definite step in the direction of packing more into the magazine, which is our aim. But please, if you think we're going the wrong way, fill in the questionnaire and then we'll know what you want!

BUSTED?

A warning to all new adventurers: never spend your hard-earned cash on an Amiga adventure unless you're sure you're not going to find yourself frustrated and stuck, trying to write to America or even to **Amiga Format** in order to find out how to get any further.

Derek Haken, Stokenham, Devon

You have a point, but remember that *Gamebusters'* Helping Hand section is there to help if you're stuck AND so that you can help others. Do use it!

Spot the shot 33



Simply identify the game that this small portion of a screenshot is from, write the answer on a postcard with your name and address and send it in to us.

The address is Spot the Shot 33, **Amiga Format**, 30 Monmouth St Bath BA1 2BW. The first correct entry out of the hat every month will win an **Amiga Format** T-shirt!



The winner of the Spot the Shot competition from Issue 31 is Matthew Chambers of Whitwick in Leicestershire, who correctly identified this small portion of the gun from *Another World*. An **Amiga Format** T-shirt is on the way to you!

SIGNATURE _____ **DATE** _____ **ORDERS ACCEPTED**

ADVERTISERS INDEX

1st Choice (Leeds).....	181, 182, 183	Domark.....	97	PD Direct.....	185
16 Bit Centre.....	167	Dynamite Computers.....	50, 51	PD Soft.....	171
17 Bit Software.....	168	Eagle Software.....	198	Pentire PD.....	170
316 Supplies.....	118	ESP Software.....	205	Phoenix.....	158
Abbots PD.....	187	Euro Media Distribution.....	108	Post Haste.....	100
ACS Electronics.....	123	Evesham Micros.....	129, 130, 131	Premier Mail Order.....	214
Accolade.....	IFC, 3	Flee Byte.....	180	Protar Ltd.....	194
Ad Energy.....	215	FMG (Amiga Repairs).....	69	Public Domain.....	175
Amiganuts United.....	201	Futureworld.....	126, 127	RC Simulations.....	211
Amiga Power.....	99	FX Direct.....	94	Renegade.....	18
Amiga Shopper Show.....	25, 26, 27	Get The Most Book.....	203	Roctec.....	124
Analogue Computers.....	201	Global.....	123	Rubysoft.....	208
Anglia PD.....	178	Grapevine Group Inc.....	136	Screen Play Book.....	109
ARK.....	215	Harwoods.....	40, 41, 42, 43, 44, 45, 186	Sidmouth Software.....	205
Ashcom.....	91	Hobbyte.....	138, 139	Siren Software.....	37
Axe Direct.....	105	Instamec.....	197	Snap Computer Supplies Ltd.....	88
B J Printing Graphics.....	123	JTS PD.....	173	Soft Exchange.....	207
Barclay Computer Service.....	54	Kontax Engineering Ltd.....	180	Software City.....	218
Barkman.....	136	Kosmos.....	211	Software Expressions.....	178
BCS.....	197	Lancastrian.....	90	South Coast Software.....	173
Best Prices.....	68	Lazarsoft.....	135	Southlinks PD.....	173
Bitcon Devices.....	98	LCL.....	215	Star Associates Computers.....	197
Byteback.....	174	Manor Court Supplies.....	74	Strategic Plus.....	205
Celebrity Software.....	30	Matrix Leisure Services.....	180	Strategic Plus.....	205
City Beat.....	46	Matrix Solutions Ltd.....	82	Stratford Tools Ltd.....	88
Club AMIGA.....	180	MD Office Supplies.....	66	Swift Micros.....	207
Commodore Business Centre.....	65	Media Direct.....	160, 161, 162, 163	Switch Soft.....	197
Computech Services.....	211	Merlin Express.....	39, 63	Talking Birds.....	170
Computermates.....	134	Micro Choice.....	173	Technomania.....	74
Connect International.....	119	Micromail.....	190, 191	Time and Space.....	207
Cortex Limited.....	106	Microprose.....	21, 23	Trilogic.....	76, 77
Cottage Industries.....	180	Microwest.....	136	Total.....	75
Crazy Joe's.....	173	Miditech.....	84	Ubisoft.....	80
Datagem Ltd.....	166	Misdem Metal Box.....	180	Unbeatable Prices.....	84
Dataplex.....	211	MJC Supplies.....	206	United PD Federation.....	176, 177
Datel Electronics.....	110, 111, 112, 113, 114, 115	New Dimension.....	2, 4	Virgo Developments.....	204
Diamond Computers.....	142, 143, 144, 145	Ocean.....	IBC, 53, 71, 87 OBC	Voltmace.....	136
Digitia International.....	13, 60	Omega Projects.....	187	We Serve.....	62
Dimension Computers.....	57	Online Entertainments.....	180, 219	WTS Electronics.....	201, 202
Direct Computer Supplies.....	201	Panasonic UK Ltd.....	79	ZCU/Calculus.....	149, 150, 151, 152, 153
				Zone Distribution.....	119

AIR WARRIOR

A REVOLUTION



Air Warrior - Multi-player Combat Flight-Simulator

Fight upto 39 opponents in simultaneous realtime 3D.

For the first time outside the US, On-Line brings you this revolutionary multi-player simulation.

Log onto 081-539-6763, 8-1-N, with your modem and find out more.

Free membership, No monthly fee, connect cost just 1.50 an hour plus VAT.

The Amiga Format Collection No. 2

Another second Coverdisk, another complete full-price program... the only question is, what will it be?



AMIGA FORMAT

220

APRIL 1992

Once again, next month we'll be bringing you a special price bonus issue, featuring not one but two Coverdisks and including the second program in the Amiga Format Collection series.

Once again, this will be a complete full-price package with an RRP of up to £100. The only problem is, as this issue goes to press we are choosing the best from two excellent options... and we haven't made up our minds!

What you can be sure of is that it will be yet another example of the great value that only Amiga Format - the world's best-selling Amiga magazine - can bring you. And you can find out what it will be on Thursday April 9 when Issue 34 of Amiga Format, May 1992, goes on sale

Amiga Format

EDITOR Damien Noonan
ART EDITOR Marcus 'Dr' Dyson
SCREENPLAY EDITOR Neil Jackson
TECHNICAL EDITOR Pat McDonald
PRODUCTION EDITOR Gary Lord
'I'M NOT AN' EDITOR Maff Evans
ART ASSISTANT Frank Bartucca
EDITORIAL ASSISTANT Clare Hodgson
ABSENT CORRESPONDENT Asam Ahmad
CONTRIBUTORS James Leach, Neil West, Andy Hutchinson, Jason Holborn, Tim Smith, Brian Larkman, Paul Tirrell

GROUP ADVERTISING MANAGER Jonathan Birt
DEPUTY AD MANAGER Duncan Ferguson
GAMES MANAGER Simon Whitcombe
SENIOR SALES EXEC Tim Partridge
AD PRODUCTION Nicola Lucas
PUBLISHER Gregory Ingham
PROMOTIONS MANAGER Michele Harris
PROMOTIONS ASSISTANT Tamara Ward
PRODUCTION TECHNICIANS Simon Windsor, Chris Stocker, Jerome Clough, Simon Chittenden
PHOTOGRAPHY Ashton James, Bradford-on-Avon: Ford Robinson, Arnos Vale, Bristol
COLOUR ORIGINATORS Phoenix Repro
PRINTERS Chase Web, St Ives PLC, Plymouth
NEWS TRADE DISTRIBUTION UK Future Publishing 0225 442244
NEWS TRADE DISTRIBUTION OVERSEAS: MMC Ltd 0483 211222
CIRCULATION DIRECTOR Sue Hartley 0225 442244

Future
PUBLISHING

Home of Britain's finest magazine.

AMIGA FORMAT

Amiga Power • Amiga Shopper • ST Format
 Sega Power • Public Domain • Total
 Amstrad Action • Your Sinclair
 Commodore Format • PC Answers
 PC Format • PCW Plus • PC Plus
 Mountain Biking U.K. • Cycling Plus
 Needlecraft • Classic CD • Photo Plus

Dear Newsagent,

Please reserve me a copy of the next issue of *Amiga Format*:

Amiga Format Issue 34, April 1992 – on sale April 9

Name

Address

To the Newsagent: *Amiga Format* is published and distributed by Future Publishing and is available from your wholesaler. Send back these coupons for entry in a free prize draw to: Kate Elston Future Publishing, 30 Monmouth Street, BATH BA1 2BW. Remember to include your shop, name and address.

Your guarantee of value

This magazine comes from Future Publishing, a company founded just seven years ago but now selling more computer magazines than any other publisher in Britain. We offer:

Better advice. Our titles are packed with tips, suggestions and explanatory features, written by the very best in the business.

Stronger reviews. We have a cast-iron policy of editorial independence and our reviews give clear buying recommendations.

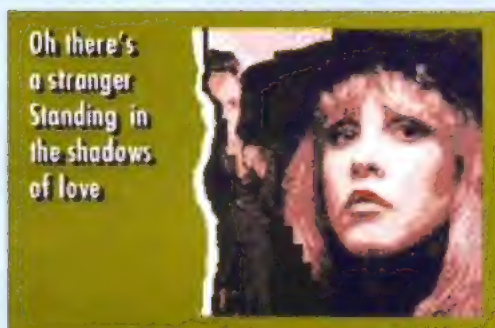
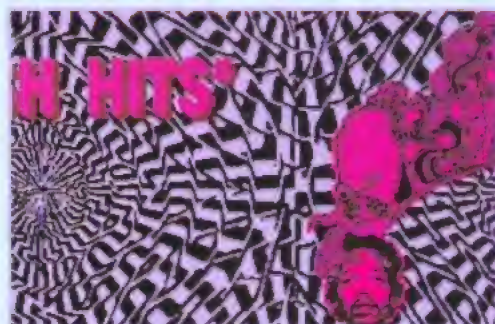
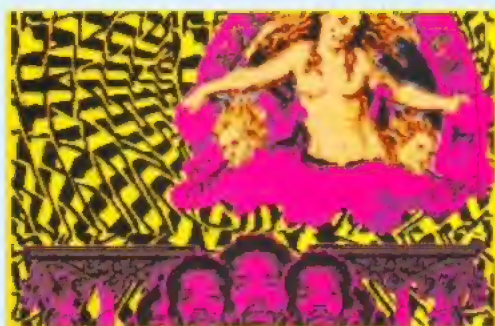
Clearer design. You need solid information fast. So our crayon-wielders

highlight key elements by using charts, diagrams, summary boxes, annotated photographs, and so on...

Greater relevance. At Future, Editors operate under two golden rules:
 ● Understand your readers' needs.
 ● Er, satisfy them.

More reader interaction. We draw on readers' contributions, resulting in the liveliest letters pages and the best reader tips. Buying one of our magazines is like joining a nationwide user group.

Better value for money. More pages, better quality – magazines you can trust.



These images are all examples of the graphics from CD+G compact discs released by Warner. From top: Jimi Hendrix, Jimi Hendrix again, Fleetwood Mac, Lou Reed, Chris Isaacs.

Why, you might well be asking yourselves, are they here? Well, we believe that we are seeing the emergence of computer games and the Amiga as a 'real world' activity, recognised by the media in the same way that popular music or films are. The Amiga CDTV, for example, is one of the few CD players currently available that can use these CD+G discs. And in this survey, which features many questions that aren't directly related to the Amiga, we're attempting to see how your interest in the Amiga compares with your lifestyle and your interest in other areas.



The great Amiga Format 1992 questionnaire... ...or "I'm a reader and I want to have my say!"

RIGHT, THERE'S FOUR PAGES here packed with questions and we'd very much appreciate it if you could take the time and the trouble to answer them all. Why? Well, there's three main reasons.

First of all, it's your one big chance to say what you want to see in the magazine. Do we do enough tips? Are our features informative and useful to you? Would you like to see more game reviews? We want to give you the information that you want, but we can't unless you tell us what it is.

Secondly, it's useful for us to know what hardware you have, what you are thinking of getting and what software you use. That way we can cater for you with our Coverdisk programs, make our buyers' guides relevant and do more tips on popular programs. If you give us the information, we can give you the information.

Thirdly, we'd like to know more about who you are and what you do when you're not using an Amiga. This is partly so we know who we're talking to, and have a better idea whether you like doing the sort of things we like to do. But it's also so we can show the national media, TV and newspapers, that us Amiga owners are real people, not a bunch of trainspotters!

FILLING IN THE QUESTIONNAIRE

We'd be grateful if you could try to answer all the questions, but if there's anything you can't or particularly don't want to answer please feel free to miss it out. You can either just tear out the pages, or photocopy them and fill them in on that, if you have access to a photocopier. Oh, and there's some really silly questions in there too, just for fun: don't worry, you'll spot them!

GETTING IT TO US

When you're ready, sling the completed questionnaire into an envelope and send it to this address - notice that you don't need a stamp if you're in the UK - Amiga Format Questionnaire, Freepost, 30 Monmouth Street, Bath, Avon BA1 2XF. Please don't include anything else apart from the questionnaire in your envelope, because they'll all go into a separate pile in another office, so if you put letters for Workbench, Gamebusters or the Letters pages in they'll probably

never actually get to us. Finally and last of all, the closing date is April 30, but if you leave it sitting around you'll probably forget about it, so why not do it now!

WHY WE'RE BEING SO NOSEY...

One thing you will notice immediately is that there's a number of different sections in the questionnaire and, unlike previous ones, not all of them are about the magazine or the Amiga. A lot of them are about what you do and who you are when you're not using an Amiga. You might think it's only fair if we were to explain why we're prying into your private life.

Well, essentially it's all a question of attitude: your attitude towards your Amiga and towards life in general. For years, anyone who owns a computer, and particularly who plays computer games, has been stereotyped as either an obsessive maniac who grapples with code late into the night but can't relate to people, or a delinquent teenage arcade junkie. We don't think this is even remotely true any more.

What's really shocked the national media recently has been the success of the Channel 4 computer games program *Gamesmaster*. The independent producers had to put an immense amount of effort into persuading Channel 4 that the program was a viable idea, and finally Channel 4 gave it the green light. The expected audience was about 1.3 million viewers; when the figures for the first episode came in at about 2.5 million, everyone was stunned.

Since then, the national newspapers and television channels have started realising that computers are big and popular. Our case is that we ought to be treated like films or pop music, with our own television programs, reviews in the newspapers and so on. Where's the *Top of the Pops* or the Barry Norman of computer gaming, for example?

In order to get this message over, we really need to know more about who Amiga owners are and what else they like. We imagine that a wide range of people of different ages and tastes read *Amiga Format*, but if there is a link, we'd like to track it down; and if there isn't, that will prove the mass appeal of this hobby. Please don't be shy: your honest answers will be of the most enormous help!

"I'm a reader and I want to have my say!"

Are you...?

Male ☐

Female ☐

Which age-group are you in?

Under 15 ☐

15-19 ☐

20-24 ☐

25-29 ☐

30-34 ☐

35-45 ☐

45-plus ☐

What region of the UK do you live in?

(If outside the UK, please specify country)

London and South East ☐

South West and Wales ☐

Midlands ☐

North West ☐

North East and North ☐

Scotland ☐

N Ireland ☐

Europe ☐

Rest of World ☐

What do you do for a living?

At school ☐

In Further Education (Sixth Form etc) ☐

In Higher Education

(University, Poly, College etc) ☐

Working full-time ☐

Working part-time ☐

If working full time, please indicate which of the following descriptions best covers your working role.

Professional (teacher, accountant etc) ☐

Creative professional (musician, designer etc) ☐

Company owner or manager ☐

Crafts/tradesperson ☐

Clerical ☐

Upper management ☐

Managerial ☐

Supervisory ☐

Other (please state) ☐

Which of the following do you own? Which have you bought in the last 12 months, and which do you intend to buy or replace in the next 12 months?

	OWN	BOUGHT LAST 12	INTEND TO BUY
Portable TV <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Full-size TV <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nicam Stereo TV <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Teletext or Fastext TV <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Video recorder <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Turntable record player <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CD player <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MIDI (Stack) system <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Portable cassette player (Ghettoblaster etc) <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Personal cassette player (Walkman) <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
35mm Camera <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Camcorder or video camera <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Satellite TV <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cable TV <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

What's your favourite joke?

What's your income per year?

Pocket money etc ☐

£1,999 or less ☐

£1,999 - £5,999 ☐

£6,000 - £9,999 ☐

£10,000 - £14,999 ☐

£15,000 - £19,999 ☐

£20,000 plus ☐

What is the total income of your household per year?

Under £10,000 ☐

£10,000 - £14,999 ☐

£15,000 - £19,999 ☐

£20,000 - £29,999 ☐

£30,000 plus ☐

Where do you live?

Own a house, flat etc. ☐

Rent a house, flat etc. ☐

Live with parent(s) ☐

How often do you use any of the following? _____ WEEKLY _____ MONTHLY _____ NEVER

Bank Account <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Building Society account <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Savings account <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cash Card <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cheque Card <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Debit Card (Switch etc) <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Card <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Barclaycard or Visa card <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other Credit Card <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

How many people are there in your household?

Adults (18 or over) _____
 Teenagers (15-17) _____
 Children (14 or under) _____

Which of these bank facilities have you used in the last 12 months?

Bank overdraft (£200 or more) _____
 Hire Purchase loan (£200 or more) _____
 Bank personal loan (£200 or more) _____
 Building Society personal loan (£200 or more) _____
 Retailer Credit (£200 or more) _____
 Credit Card purchase (£200 or more) _____

Who do you think will win the election (please answer before mid-April)?

Conservative _____
 Labour _____
 Liberal Democrats _____
 Green Party _____
 Monster Raving Loony Party _____

Which of the new digital recording formats is most likely to succeed?

Phillips Digital Compact Cassette _____
 Sony's DAT _____
 Those mini diskette things _____
 Don't know _____

How much did you spend on vinyl records in the last month?

Up to £10 _____
 £10-£19 _____
 £20-£29 _____
 £30-£39 _____
 £40-£49 _____
 £50 or more _____

Do you think CDs are overpriced?

YES _____ NO _____

Do you own any of these games systems? Which have you bought in the last 12 months, and do you intend to buy any in the next 12 months?

	OWN	BOUGHT LAST 12	INTEND TO BUY
Nintendo Entertainment System	_____	_____	_____
Nintendo Super NES (Super Famicom)	_____	_____	_____
Nintendo Game Boy	_____	_____	_____
Atari Lynx	_____	_____	_____
Sega Master System	_____	_____	_____
Sega Megadrive	_____	_____	_____
Sega Gamegear	_____	_____	_____

Do you have a car? Do you intend to buy one or replace your current one in the next 12 months?

	HAVE	INTEND TO BUY/REPLACE	DON'T HAVE
Your own car	_____	_____	_____
A company car	_____	_____	_____

Does your car have an in-car entertainment system? Do you intend to buy one or replace your current one in the next 12 months?

	HAVE	INTEND TO BUY/REPLACE	DON'T HAVE
	_____	_____	_____

How often do you buy these blank recording media (blank tapes) if at all?

	EVERY WEEK	EVERY MONTH	7-12 A YEAR	1-6 A YEAR
Audio cassettes, singly	_____	_____	_____	_____
Audio cassettes, in packs	_____	_____	_____	_____
Video tapes, singly	_____	_____	_____	_____
Video tapes, in packs	_____	_____	_____	_____

How much did you spend on CDs in the last month?

Up to £10 _____
 £10-£19 _____
 £20-£29 _____
 £30-£39 _____
 £40-£49 _____
 £50 or more _____

If you were forced to categorise yourself, which of these descriptions best fits your musical tastes?

Chart pop _____
 Rock _____
 Hardcore/Heavy _____
 Dance _____
 Indie _____
 Reggae _____
 Jazz _____
 Classical _____
 A bit of everything _____

How much did you spend on pre-recorded cassettes in the last month?

Up to £10 _____
 £10-£19 _____
 £20-£29 _____
 £30-£39 _____
 £40-£49 _____
 £50 or more _____

How much do you spend on casual wear in a typical month?

Less than £25 _____
 £25-£50 _____
 £51-£75 _____
 £76-£100 _____
 Over £100 _____

Have you bought a pair of jeans in the last 12 months?

Levi's _____
 Wrangler _____
 Pepe _____
 Lee _____
 Another make - please state _____

Have you bought a pair of trainers in the last 12 months?

Nike _____
 Reebok _____
 Converse _____
 Adidas _____
 Puma _____
 Gola _____
 Another make - please state _____

Have you bought any of the following in the last 12 months?

	ONCE	2-3 TIMES	3-4 TIMES	MORE THAN 4
A suit _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sportswear _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Footwear _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If you have bought any of these by mail order (sending off in the post) in the last 12 months, how many items of each kind have you bought that way?

	1-4 ITEMS	5-8 ITEMS	9-12 ITEMS	MORE THAN 12
CDs or tapes _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Books _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pre-recorded videos _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Computer software _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

How did you pay for these goods:

CHEQUE ☐ CREDIT CARD ☐ POSTAL ORDER ☐

Which daily newspapers do you read, and how often?

	1-4 A WEEK	MORE THAN 4 A WEEK
Sun _____	<input type="checkbox"/>	<input type="checkbox"/>
Mirror _____	<input type="checkbox"/>	<input type="checkbox"/>
Daily Mail _____	<input type="checkbox"/>	<input type="checkbox"/>
Express _____	<input type="checkbox"/>	<input type="checkbox"/>
Today _____	<input type="checkbox"/>	<input type="checkbox"/>
Guardian _____	<input type="checkbox"/>	<input type="checkbox"/>
Independent _____	<input type="checkbox"/>	<input type="checkbox"/>
The Times _____	<input type="checkbox"/>	<input type="checkbox"/>
Daily Telegraph _____	<input type="checkbox"/>	<input type="checkbox"/>
Financial Times _____	<input type="checkbox"/>	<input type="checkbox"/>
The Scotsman _____	<input type="checkbox"/>	<input type="checkbox"/>
Scottish Daily Record _____	<input type="checkbox"/>	<input type="checkbox"/>

Which of the following publications do you read?

NME (New Musical Express) ☐
 Melody Maker ☐
 The Face ☐
 I-D ☐
 Sky ☐
 Smash Hits ☐
 VIZ ☐
 Private Eye ☐
 Time Out ☐
 2000 AD ☐
 Deadline ☐
 Select ☐
 VOX ☐
 Q ☐
 Kerrang! ☐
 Raw ☐
 Empire ☐
 Premiere ☐

Autocar & Motor ☐
 What Car ☐
 Car ☐
 Performance Car ☐
 Fast Lane ☐
 Skateboard! ☐
 Thrasher ☐
 Arena ☐
 Esquire ☐
 GQ ☐
 Elle ☐
 Vogue ☐
 Cosmopolitan ☐
 Cinefex ☐
 Shoot ☐
 Match ☐
 90 Minutes ☐
 Mountain Biking UK ☐
 Cycling Plus ☐
 Other (specify) _____

How often do you rent video films?

Once a month _____ ☐
 2-4 times a month _____ ☐
 More than 4 times a month _____ ☐
 Never _____ ☐

How many of the following kinds of pre-recorded videos do you buy in a year?

Films _____
 Music _____
 Sport _____
 TV programmes _____

Have you got any of the Black Adder videos?

YES ☐ NO ☐

How often do you go to the cinema?

Two or three times a month _____ ☐
 Once or twice a month _____ ☐
 Six to twelve times a year _____ ☐
 Three to five times a year _____ ☐
 Once or twice a year _____ ☐
 Never _____ ☐

Have you seen Terminator 2 yet?

YES ☐ NO ☐

Have you travelled abroad in the last 12 months?

YES ☐ NO ☐

If you have been abroad, who was responsible for travel arrangements?

You _____ ☐
 A friend you were travelling with _____ ☐
 Your parents _____ ☐
 Other _____ ☐

How often do you travel over thirty miles by train or coach?

Every day _____ ☐
 2-6 times a week _____ ☐
 Once a week _____ ☐
 2-3 times a month _____ ☐
 Once a month _____ ☐
 Every 6 months _____ ☐
 Once a year _____ ☐

Do you ever wear a Metallica T-shirt?

YES ☐ NO ☐

What kind of Amiga do you own?

A500 512K ☐

A500 with 1Mb ☐

A500 Plus ☐

A1000 ☐

Amiga 1500 ☐

Amiga 2000 ☐

Amiga 3000 ☐

CDTV using CDs only ☐

CDTV with keyboard and floppy disk drive ☐

Errm... I don't actually have an Amiga at the moment ☐

Will you buy a CD-ROM drive for your Amiga? (The price is currently expected to be around £300, it will play CDTV discs and audio CDs)

Definitely ☐

Possibly ☐

Only if the price is £200-£250 ☐

Only if the price is below £200 ☐

Only if it cost £150 but I wouldn't mind if it didn't play audio CDs ☐

No ☐

Which version of Workbench/Kickstart do you have?

1.2 ☐

1.3 or 1.3.2 ☐

2 or 2.04 ☐

Don't know ☐

If you don't have it already, do you intend to upgrade to the new Workbench 2 in the next six months?

YES ☐ NO ☐ UNDECIDED ☐

Do you own a keyboard, sound module or other MIDI musical instrument?

Yes ☐

No, but I intend to buy one ☐

No ☐

Which of these other computers do you own or use?

	OWN	USE AT WORK	USE AT SCHOOL	USE A FRIEND'S
Amstrad CPC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sinclair Spectrum	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commodore 64 or 128	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Atari ST	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IBM PC or PC compatible	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Acorn/Archimedes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Apple Macintosh	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

What hardware do you own already, and what hardware do you intend to buy in the next 12 months?

	OWN	INTEND TO BUY
Floppy disk drive (A500)	<input type="checkbox"/>	<input type="checkbox"/>
Floppy disk drive (A1500 and up)	<input type="checkbox"/>	<input type="checkbox"/>
Hard disk (A500)	<input type="checkbox"/>	<input type="checkbox"/>
Hard disk with RAM (A500)	<input type="checkbox"/>	<input type="checkbox"/>
Hard disk (A1500 and up)	<input type="checkbox"/>	<input type="checkbox"/>
Hard disk with RAM (A1500 and up)	<input type="checkbox"/>	<input type="checkbox"/>
Trapdoor RAM expansion (A500)	<input type="checkbox"/>	<input type="checkbox"/>
External RAM expansion (A500)	<input type="checkbox"/>	<input type="checkbox"/>
Internal RAM expansion (A1500 and up)	<input type="checkbox"/>	<input type="checkbox"/>
Accelerator card (A1500 and up)	<input type="checkbox"/>	<input type="checkbox"/>
24-bit graphics card (A1500 and up)	<input type="checkbox"/>	<input type="checkbox"/>
HAME or DCTV	<input type="checkbox"/>	<input type="checkbox"/>
PC bridgeboard or emulator	<input type="checkbox"/>	<input type="checkbox"/>
Replacement mouse	<input type="checkbox"/>	<input type="checkbox"/>
Joystick	<input type="checkbox"/>	<input type="checkbox"/>
Modem	<input type="checkbox"/>	<input type="checkbox"/>
Genlock	<input type="checkbox"/>	<input type="checkbox"/>
MIDI interface	<input type="checkbox"/>	<input type="checkbox"/>
Sound sampler	<input type="checkbox"/>	<input type="checkbox"/>
Video digitiser	<input type="checkbox"/>	<input type="checkbox"/>
Printer	<input type="checkbox"/>	<input type="checkbox"/>
Monitor	<input type="checkbox"/>	<input type="checkbox"/>

How much RAM (memory) do you have?

I have an A500 or A500 Plus with

I have an A1500/2000/3000 with

Do you use your Amiga more for playing games than anything else?

YES ☐ NO ☐

What, apart from games, do you use your Amiga for most? (Be as specific as you want to be)

What area of using the Amiga, which you haven't yet tried, appeals to you most?

And what area of Amiga use appeals to you least?

What non-PD software do you own already, and what do you intend to buy in the next 12 months?

	OWN	INTEND TO BUY
Deluxe Paint 3	<input type="checkbox"/>	<input type="checkbox"/>
Deluxe Paint 4	<input type="checkbox"/>	<input type="checkbox"/>
Other paint/animation	<input type="checkbox"/>	<input type="checkbox"/>
3D graphics	<input type="checkbox"/>	<input type="checkbox"/>
Structured drawing	<input type="checkbox"/>	<input type="checkbox"/>
CAD	<input type="checkbox"/>	<input type="checkbox"/>
DTP	<input type="checkbox"/>	<input type="checkbox"/>
Database	<input type="checkbox"/>	<input type="checkbox"/>
Spreadsheet	<input type="checkbox"/>	<input type="checkbox"/>
Accounts/financial	<input type="checkbox"/>	<input type="checkbox"/>
Video titling/effects	<input type="checkbox"/>	<input type="checkbox"/>
Word processing (WP)	<input type="checkbox"/>	<input type="checkbox"/>
WP with graphics	<input type="checkbox"/>	<input type="checkbox"/>
Comms	<input type="checkbox"/>	<input type="checkbox"/>
Music	<input type="checkbox"/>	<input type="checkbox"/>
Educational	<input type="checkbox"/>	<input type="checkbox"/>
Programming	<input type="checkbox"/>	<input type="checkbox"/>

How often do you buy full-price games?

Once a week or more ☐

2-3 times a month ☐

Once a month ☐

7-11 times a year ☐

1-6 times a year ☐

Never ☐

How often do you buy budget games or compilations?

Once a week or more ☐

2-3 times a month ☐

Once a month ☐

7-11 times a year ☐

1-6 times a year ☐

Never ☐

Where do you buy your games (if you do)?

WH Smith ☐

Menzies ☐

Boots ☐

Virgin Games Centre ☐

Other chain store ☐

Local independent shop ☐

By mail ☐

The Amiga Format readers awards!

We're taking your votes on what you think are the very best examples of software available for the Amiga. Just pick your favourites in each category, and we'll see what gets the most votes!

Best game of all time

1

2

3

4

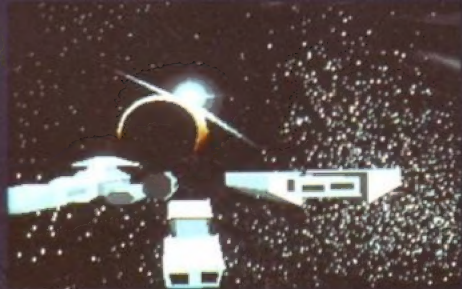
5

Best game of the last year (from the beginning of 1991 to now)**Best non-games software of all time****Most useful non-games software of all time****How many issues of Amiga Format have you bought to date, including this one?****Do you keep every issue of Amiga Format?****Do you refer back to past issues of Amiga Format?****Which issue of Amiga Format is your favourite?****Which Amiga Format cover is your favourite?****Which other computer magazines do you buy regularly?****Please rate all the parts of Amiga Format out of ten, according to how much you enjoy them or how useful you find them. Indicate which you'd like to see more or less of.**

	RATING	MORE	LESS
Free complete programs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The Coverdisk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
News	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ideas features (eg animation)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Practical features (eg memory)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Buyers' guides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Game previews	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Game reviews	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cheap 'n' cheerful	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chart/history pages	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gamebusters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Graphics reviews	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Music reviews	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Serious reviews	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hardware reviews	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public domain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Beginners' series	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Workbench advice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Competitions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Letters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Adverts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If you have any other comments you'd like to make about Amiga Format, please feel free to use this space – but don't attach a separate sheet of paper!

**"Miss
this
and
you will
regret it
forever"**



**"Anyone who
has been keeping
an eye out for this
will not be
disappointed, and should
await its release with
bated breath...Epic is one
of the best products I have
ever played - the depth of
gameplay and graphics
are of a truly stunning
standard."
GAMES X**

**"Fast just
isn't the
word for
this 3D.
The image
update is
blistering!"
ACE**



**"The game's
graphics and
presentation
are nothing
short of
stunning,
and there's a
great wad of
playability in
there too.
Ocean have
never had it
so good!"
ST ACTION**

**"The
overall
feeling
you get
is one
of awe"
ST ACTION**



**ATARI ST
CBM AMIGA
IBM PC &
COMPATIBLES**



OCEAN SOFTWARE LIMITED
6 CENTRAL STREET, MANCHESTER, M2 5NS. TEL: 061 832 6633. FAX: 061 834 0650

Hook™

PETER PAN has now grown up, far away from NEVERLAND, but his old enemy CAPTAIN HOOK has not forgotten and schemes his revenge.

Kidnapping Peter's children, he lures our hero back to the Island of PIRATES and "LOST BOYS" for a final confrontation.

With the help of TINKERBELL the faithful fairy, you take on the role of PETER in this magic adventure fraught with danger and excitement.



© 1991 TRI-STAR PICTURES, INC.
ALL RIGHTS RESERVED.
HOOK™ AND ASSOCIATED CHARACTER
NAMES ARE TRADEMARKS OF TRI-STAR
PICTURES, INC.



OCEAN SOFTWARE LIMITED · 6 CENTRAL STREET · MANCHESTER · M2 5AB
TELEPHONE: 061 832 6633 · FAX: 061 834 0650



**ATARI ST
CBM AMIGA
IBM PC &
COMPATIBLES**